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Christman, G.
1987-2000

Species Accounts
Part 4

Emberizidae to Passeridae

Tree species

Christmas

1-

1989-90 Pipilo erythrop.
91

25 Nov., del Norte St., Berkeley, Alameda Co., Cal
11:15 am, light rain, one dark-black headed one in backyard among bark scrub & Steller Jays 5-10' away bird flips tail our exposing white terminal spot on main lateral feather on each side. I have only seen this species once before, 10 years + ago.
19 Dec 8:30 am one in backyard under tangan - oak among ocalleaves, etc - 5' from nearest tree-bee.
2 Jan 2 pm one in backyard scratching in leaves under oak.
8 Feb one with a brown towhee & Golden crown sparrow - within 24" - 8" of brown T. on ground & low perches - 10" high - no friction. 3:15 10' up & 5 foraging on outside

Christman
1997

Pipilo fuscus

17 Aug. del Norte St. Berkeley, Alameda Co. CA. This species was the first bird sp. to use the upstairs landing-feeding tray since last winter. They feed at any time of day. Today at 12 noon two feeding, with a mourning dove. A third Sr. towhee showed up & chased off & if kept coming back. Both birds (probably the local pair) chased - almost always by long hops from 4 to 6'. One bird made 3 times as many chases as the other & over longer distance. The second bird chased ar 2' & was clearly more tolerant than first bird.
Clearly defending at least a feeding territory.

2 Sept. Two molting birds around off & on today - easily come in with doves, but off to one side

4 Sept 10:30 a.m. Jog - 3 birds at feeder all molting. First time in long time = 3 simultaneously - head down & moving at another bird.

11 Sept noon 2 have been about consistantly - feed at edge of doves or alone. Have one pecking at piece of bread (wholewheat) then flew into pitosporum to W with it in bill - size 1" x 1/2".
They patiently shell each millet seed.

Christmas
1987

Pipilo fuscus 2

14 Sept, del Norte St., Berkeley, Alameda Co, CA
1:50 pm one ad., nest in mallet, on ledge, the right foot is bent backward as two of the M. flaves!

17 Sept 11:07 am clear warm. within two minutes on ledge: one with pectoral at foot & marginal one, not in at same time. Then another - so - the local pair and an interloper no restrain between seen yet

20 Sept 10:50 a.m. clear, read the one with deformed R foot in to feed. The male is alone now in this species one feeding with 2 ad. mourning doves defend to them if closer than 1 ft: doves paid no attention; woodpeckers

23 Sept. 4p.m. fog. at least 3 feeding on ledge and did a hillcop display. One flew at another which flew. The bent foot one is not here now. Has another pair moved in?

25 Sept. when feeding they hop, but when they go over ten ft along the ledge they run -

1 Oct. one with 8" x 3mm twig in bill, on ledge ran off to W and flew!

2 Oct about 10 this a.m. 2 on electric lines calling & a little head up display but much activity of tail movement and wing flips. What is pair maintenance of pair bond in winter, with such a resident species.

These birds spend much time in the Tetraparium and Rosids & the other trees including elms - up to 30 or 40' - They are rarely exposed on tops of trees.

2 Oct. del Norte St, Berkeley, Alameda Co, CA
5 Oct. Sprinkler in background - two in lawn shrub & grass and fluffing up feathers & diving in "rain" & tail up & down, incalls. This is part of territory of local pair also in front yard.
12 Oct one of large ps. has two middle tail feathers in 1" sheaths & ½" out.
17 Oct. always around at 5:05 pm does a flight in the air face & feet together up 20' above yard & then down
23 Oct. 7:30 am heavy clouds 3 on power line a few ft apart. Then the rt foot flexed individual to food - looks again Pair absent every day
31 Oct. The pair absent; now the Rt flexed foot.
3 Nov. 12:05 pm Clear and one of the towhees has been raising its head feathers - always a crown, not quite as much as a black phoebe
6 Nov. One has central appears to be the central pair of tail feathers in 1½" sheaths. I have mixed a pigeon mix with the wild bird mix" The bird picked up a piece of cracked corn and manipulated it in the bill several times & then dropped it.
11 Nov. 4:20 pm. high clouds. #one = molting tail feather (top middle) almost in. Then two no molt. So 3; is one a juv. into ad plumage?
14 Nov. 9:35 am clear cool. The one with flexed rt foot feeding = males 4 towhees

Christmas Count 1997

Pipilo fuscus

20 Nov, del Rosario St., Berkeley, Alameda Co., cady... 9:39 am - rain lighter now, one on pavement line, head up twice + many wing flips Last several days not in evidence made except daily & late, 10:24 am constant light rain, one B.T. out on pavement line/ledge many "chip"s.

30 Nov. several times this a.m. & early pm two - were feeding in light rain.

3 Dec. about every day. 4:30 pm cloudy 3 in front. One chase - chaser from N — to S. There have been more than the one pair.

11 Dec. present on deck every day. 1:40 pm 2 feeding, one "chipping", one quivered wings, briefly head up. was shelling a seed. 4:15 pm the B.T. with right foot flexed is back feeding — haven't seen it lately. How many B.T. are there? 3 or 4?

15 Dec. one on ledge, to feed - gave a series of "cheap" notes. 11:17 am 2 on wire, one brief bill up with wing flips ? it flew into pittosporum leaving the one that did not so display. Am going to have to band these birds! Feeding out in rain!

18 Dec 4:04 pm cloudy st. foot flexed in feeding are there 2 pair?

21 Dec 12:30 pm fog. The two from N on landing - one slim, pert, other did a brief fluffing up of feathers especially the overlapping side - flank feathers - then close together & flew vertically together but not really fighting. Then to cover a few "chips" & into Pittosporum. Is this pair maintenance in off season?

Christmas
87-88

Pipilo fuscus

21 Dec, del Norte St, Berkeley, Alameda Co. CA.
3:52 pm a single one in low fir by deck in front yard. another from N to broad leafed plant (*) & it crossed up close to the first one. Then a 3rd from S between houses arrived level with 2nd it flipped tail & wings — then 2 flew to pitasporum (believe, the first 2) leaving the active one.

1 Jan 88, 3:38 pm cloudy 2 on ledge, as they have off & on all day. One gave an exaggerated head up display with side-flank feathers fluffed up — throat & breast are flat.

2 Jan feeding at 1 (overcast) & "cheep," call.

5 Jan — 2 from Pitosporum on ledge — a chase from ledge. Am going to have to hand these — I suspect two pair; one to N & backyard and another from S.

13 Jan. about everyday. Today feeding & vocalizing about on horizontal limb in cedar at 25' up on E side. One high in elm infront of oaks to NW.

21 Jan. 10:50 am. The Rt. foot flexed one is in feeding. The Pittosporum pair in earlier — both were fluffed up for & one did a low intensity head up.

23 Jan. the flexed rt foot one feeding at 10:20 + with another one.

30 Jan flexed Rt foot in feeding at 10:52 a.m.
1 Feb " " " " " " 9:50 am
one on power line — did a low intensity head up, wings drooped tail up.

5 Feb., del Norte St., Berkeley, Alameda Co., Cal 3:24 pm one flew from Pittosporum to elm, NW, northern corner, infront of the cab up the street.

8 Feb. 1 pm has been in cab, flew to Pittosporum

11 Feb 4:21 pm a chase: cheeb, cheeb, cheeb, rattle ——— first live this call in a long time

18 Feb 4:19 pm the lone one – rt. flexed foot –

21 Feb 4:07 pm a fight between 2 in air and powerline & into Pittos. followed by one after.

23 Feb. 11:58 a.m. one quietly foraging on the edge of the oak canopy; the pair from the Pittos.

26 Feb 1:15 pm the one with flexed rt ft feeding

6 [redacted] Mar 1:58 pm high fog – a towhee in NW elm 8' from tap just looking around – it flew in front of house to S.

14 Mar 6:06 am first calls from – in Pittosp.

15 Mar. 9:57 am one high in oak on ½" branch just inside canopy – I thought it was feeding on flowers, but saw it pick up a ½" bright green larvae.

16 Mar. 9:37 p.m. flexed rt foot in feeding another bird is ill & sprawled – legs in tension – beak scraped in loose duff at the corner of landing.

18 Mar. 8:36 am 2 flew into Oak with brief "chur" call – have heard this call only lately – its really "chur-r-r-r-r-r", in a stirred manner.

24 Mar. They are still about consistantly, but also my impression is that they are much more active in flying about the neighborhood and they fly higher.

29 Mar., del Norte St., Berkeley, Alameda Co., CA
9:27 am branches in Pittos were jarred - from middle to SW side watched carefully then one flew from Pittos into NE part of oak. Haven't seen them about much - have they changed feeding habits? 11:29 am one in briefly to feed.

31 Mar 3:24 pm 2 feeding, into Pittos
2 ads 7 am are at ledge feeding. 11 am in Pittos "chop" call. - eat on ledge.
5:22 pm 1 on N ledge & into feed 45 sec after 3 doves flew off on seeing me.
3 ads 2 on line for a minute a foot apart from Pittos - rearranging plumage, one flew to ledge, other flew to N into Williams yard
4 ads am one has periodically come in to feed. Whether a dove is in or not. 7:15 pm are on line. Then another from Pittos. landed 6" from it they both had a greeting call & rumpled feathers etc. in 30 sec first one then other into the oak. 7:25 pm one on line 24" from oak no calls, etc after a min. both into oak. (Though one at a time the towhees are into feed on the ledge, etc. this is not a major resource for them. Are they feeding mainly on protein - larvae - at this season - ? Only the doves are consistent at the grains.)

5 Ads 11:30 am one to ledge & down feeding frequent soft 'cheep' calls - not loud or harsh. Noon - 1 back feeding no "chip" calls.
4:15 pm one in NE part of Oak - 20' up foraging in canopy slow close examination rather than jerky bits of movement of branch.

5 apr., del Norte st., Berkeley, alameda co., calif. 4:30 1 from Pittos. into N part of area. 4:44 back into Pittos. mason line facing N, reversed & flew into dense foliage = nest up, tail up. 7:23 pm one in feeding — "cheep" call several times. So far d haven't been able to see flavor seed — put out more small blackseed

6 apr. 6:35 am robins singing on lawn, at this time light dull sky. a towhee in top of Pittos. no call — one flys over house into Pittos 3' from the first. there were excited "chip" notes. several minutes later one feeding & making "chip" notes.

7 apr. 3+ pm lots more "chips"

8 apr. few "chips" today. saw several times in Pittos & on wire. 7:10 pm one in shelling millet seeds.

13 apr. one in at 11 am. — & on lower wire gives the cheep call — there were 2, into Pittos. 4:33 pm high fog, wind one came in "chip" call feeding briefly & back into Pittos.

13 apr. Cheep note loud & repeated at 6:10 am fog & dark.

14 apr. 2 in together at 11:33 am with lace & Fox Sp. 7:29 pm one in for last bit — light rain almost dark.

15 apr. cloudy, cool 12:15 pm flexed & feed in to feed. briefly 12:20 2 from lace w to oak & line; they joined at ledge with a greeting call — a lace whistling call. feed briefly & into Pittos.; no "chip" calls. 7:52 pm fog, almost dark, & face flexed in feeding — has it (or ~~a~~?) ever been in with another?

16 apr 7:30 am 2 meet on ledge, "whee, whee" calls & one spread wings & open bill

16 Apr, del Norte Co, Berkeley, Alameda Co, CA then flew into Pi'HOS. 11:29 am RFF in feeding — rather shy

17 Apr RFF in on ledge, another feeding — it had bill full of the larger milo seeds & flew to VE between bouts — is this a pair - feeding young? 10:55 pm one feeding, shelling seeds, & "cheep" call lightly.

19 Apr 9 am rain; FRT in with another — is it (he?) mated? 7:33 pm. RFF in briefly alone.

22 Apr 3:10 pm Jay on ledge (studies) then to feeding area — a towhee chased Jay S off the entire patch. The 2 towhees flew into oak VF side low. Jay returned to feeder N end of landing. One towhee flew back from oak, landed on landing & once again chased Jay off the landing to S. Then other towhee flew to ledge with 1¼" green larvae - large and banged it against desk, tried to swallow — then flew down into Pi'HOS.

23 Apr. Spent lots of time in oak today — extremely clumsy often spreading wings on edge on canopy to maintain balance. 4:58 pm one of the more frequent visitors is replacing a central tail feather (new one is dark reddish brown & 1-1¼"; two - pardon me on one side - right side). One was feeding late in oak at 7:20 pm — sun low.

25 Apr this brought in a dead fledgling — looks like a towhee 3½ inches long — large belly.

29 Apr 9:19 am after rain 2 on ledge & on line we calls.

29 Apr., Berkeley, del Norte st., Alameda Co, Calif still seem to use Pittos. as headquarters they have not been in oak of late, just the scrub jay. 6:41 RFF in feeding

30 Apr 11:15 am One in from Pittos several times – then made one feeding; another flew in pair oak & was immediately chased back to oak. one in feeding at 11:50 3 large spots on very upper chest & 2 shorter medial tail feathers. another one; both then flew into Pittos.

2 May 12:53 2 high up in NW elm (slight haze) & both on set wings glided down to oak 2:21 pm studio – one walking not hopping dark reddish gray s.o. line over eye – no tail replacement 4:17 pm RFF alone, feeding. two towhees about Pittos — no indications of feeding young or nest defense (chips). 11:33 2 in feeding, one tried a sunflower to crack open. 2 at 6:55 am line & roof flew to lower ⅓ of NW elm.

4 May 8:44 am one in very top of NW elm while another flew into canopy of the oak – is this a first for a towhee in prominent perch? 8:47 2 on line – one did a head up display the other tail up – "begging" display – then mated about on line changing directions & slow flight into NW elm. 8:56 am red capped towhee (no tail molt) feeding. 9:24 one feeding – no red crown, no prominent spots on chest, but central tail feathers are long & a bit rectricles at base. 10:44 am one on line scratched head over the wing.

5 May 9:52 one flew from ledge to NW elm – 10' from top

5 May, del Norte St., Berkeley, Alameda Co, Cal
Towhees rarely went to elms in the winter. What besides Fox Sp. feed on the elms when leaves are out?
10:23 chest spot - redcrown came sailing in on fixed out stretched wings to landing crown up as a dark. alone, 2 doves in feeding also. 1:30 pm 2 was out on lawn feeding & 2 towhees feeding 12' away & were real 'coal' about it.
6 May two seen together on ledge 8:15 am one flew from Pittos. up into mid section of NW elm. Have they gone up to nesting a dead nestling (no flight feathers - eyes closed) 2 weeks age. Dsés brought in. 10:09 2 on ledge flew together up into NW elm. 10:11 they set wings & sailed back high in the oak. 11:16 am RFF came in another, 15' down line it flew to ledge & gave head up, tail up quivering wing display. in one minute 2nd towhee present, RFF not.
7 May redcap - spots on ledge (N) low intensity tail & head up; but wings out and side feathers ruffled out 3:48 pm one in canopy of oak foraging.
8 May towhees scratch accurring.
9 May 1:29 pm RFF into feed. another in also.
10 May 8:29 am The pair in top of NW elm; they touched bills, preening. glided swiftly down to line them in to feed. Are they going to breed again? they have shifted to elm now that it has leaves. 9:32 flew back to elm. another to ledge from Pittos.! 9:30 am RFF into feed.
12 May 9:16 am. one in top of NW elm among

Pipilo fuscus

12 May, del Norte St., Berkeley, Alameda Co. Cal.
Leaves; one on V corner of landing, then
2 in oak flew down into yard so the
one on landing flew after it.
15 May a noisy chase over oak from
landing at 10:10 am. 10:20 am 2 from
front yard into mid part of Ne elm. 12:02 pm
landing - flew into oak; another came
out of Pittos. - a chase in the oak.
2:01 pm RFF in to feed.
16 May 10:39 am after a light rain - one in
top of Ne elm - a rarity. 12:02 pm again
one in top of Ne elm, sailed down on fixed
wings to line 3' from ledge.
21 May 10:39 am RFF in to feed alone.
24 May 11:14 am RFF in to feed but chased
off by 2 others - no calls.
26 May 7:30 pm one in top of cup of cedar! high, dawn
29 May 11:39 am one in canopy of oak, then
flew to landing, with 1 dove & several
House finches.
2 June 9 house sparrows on ledge, towhee
approached head down - sparrows flew!
7 June RFF in at 10:45 am no one else about
9 June big towhee chase from Pittos into oak, etc
dri-dri-dri call, rattling sharp notes
10 June RFF into feed - only a chickadee about
another in at 10:33 & interaction between
2 at street level. They are very quiet
now - low profile. 12:16 pm brief towhee
fight on landing - gr-r-r call, one flew 5
& other on ledge - flew at innocent dove
not hitting it - dove paid no attention.
2 pm another fight retreat to 5. short call
not loud.

Pipilo fuscus

13 June, Del Norte St., Berkeley, Alameda Co., Calif
10:31 am RFF in - no one else about.
16 June 8:03 pm jay coming in, two in top 5' of NE elm flew down to line 20' from house hopping up line in opposite directions scratches over wing.
19 June 10:05 am two in together from NE elm
11:53 am lots of noise from 25' up in Pittos a harsh wavering - scraping note, incessant & several scrub jay calls. Suddenly a jay flew out and 3 followed by a towhee. Is there a nest there? 8:40 pm at least one in Pittos = "chip - chip - trill" lots of these notes. Not quite like a wren-tit, its rather hesitating. The "chip" is prominent. No bird in evidence.
19 June 9:55 am 2 quietly skulked up at end of landing to feed under bench - Then 2 flew from NE elm into oaks - so there are 2 pair as last fall. 10:30 am one flew from landing to very top of NE elm.
20 June 8:30 am 2 on line, a third flew to line from oak. The one closest is on line closest it into oak & W. There is another pair - perhaps the front yard breeding.
21 June 11:07 am 2 feeding, one on line very amicable, latter flew into Pittos. no calls.
11:40 am two, face off on ledge, a brief "whir-whir" very quiet & back to feeding.
29 June one at N ledge - head up, tail up wings down, no call; to S.
5 July RFF in feeding at 9:11 am in 1/4" deep shells, etc (big small seeds) did not search to uncover millet seeds.

8 July, del Norte Co. Berkeley, Alameda Co., Calif.
8:40 am one on pile of canvas recently cut debris in backyard. It was hopping forward & then backs — scratching in dead grass & Pittos. dead leaves throwing stuff about. Think this was first time I've seen this action.
13 July 10:42 am 2 on ledge bath. head & tail up & flibbing of wings. vaguely facing each other.
22 July molting
30 July 2 at east end of ledge bath molting especially tail — the inner feathers first. Soon another one on line no tail replacement; see like last fall — 2 pairs.
1 Aug 2 pm in backyard one is scratching with both feet in dead leaves under the big oak. and also saw one in oaks with sunflower seed in bill — can't do anything!
10 Aug 2 feeding, bath in malt — nagged
15 Aug 10:10 am 2 towhees feeding, one charged, head down at another, it flew 2'; then a third appeared — larger than the one that charged & they feed 6" apart from one another. ♂ larger ?: & it's ♀ mate thus charged another bird. all three heavy molt.
27 Aug on landing, one "hop forward & scratch backs" in gunk. seed refuse.
29 Aug a.m. two bath molt on neck and left center most tail feather 1½" long — it ran! (10'). Yesterday watches one in back yard hop/scratch in dry leaves.

Pipilo fuscus

4 Sept. del Norte St., Berkeley, Alameda Co, Cal.
11:06 am one hopping about & Pipilos then to line & ledge — no molt full plumage is this a new bird? 11:32 am another in — molt on nape and tail

19 Sept 11:17 am high clouds, RFF in to feed first time in awhile — no molt, good plumage. The local pair has been in all along — no behavior, etc. molt about age.

30 Oct they have been around but nothing happened. Molt has finished 11:45 am RFF into feeder surface of landing. It appears from VE.

4 Oct 8:32 am one on landing manipulating a smallish seed. Held for at least a minute then broke it up & ate it. The seed was in mouth not crass wise in bill when it broke up. Are they going to eat these large seeds now?

5 Oct 9:18 am fog. 2 in almost bare elm directly W; on 4th branch 50' up. How many are there here?

6 Oct 8:56 am 2 feeding then flew to W elm 45' up one worked up to within 10' of top, other flew to W. elm near top & flew 10-12' to several branches. They are working higher in trees now! 10:13 am RFF in with some dances & house finches

27 Oct 10:29 am 2 in to feed together. didn't see them until after about 9:45 am.

29 Oct 4:13 pm one in with 2 most lateral tail feathers are new & 1" long-flew 5.

1 Nov 4:46 RF coat flicked in to feed? haven't seen it in awhile.

Tristman
1988

Pipilo fuscus

2 Nov. del Norte 26, Berkeley, Alameda Co, Calif.
4:20 pm RFF into feed with house finches
3 Nov local pr. from Pitts in to feed; one has 2 new tail feathers outside, both sides coming in 2", some new feathers esp. right side have light terminal bar. 9:54 am one hulling large sunfl. seed - have they learned to open sunfl seeds - prefer millet ?
7 Nov 11:06 am RFF in feeding.
12 Nov 4:55 pm Sundara RFF, first today
16 Nov 9:57 am consistant light rain, one on line 12' from house sitting on both feet, changing position to w. landing
17 Nov 10:40 am dist RFF in close.
19 Nov 9:16 am RFF in feeding with the local pair, it was 3' from them.
20 Nov 3:31 pm 2 in feeding one on line 20 from house. 3:50 pm RFF from roof on to S end of landing, followed by another - they stayed away from about 20 days - N.
21 Nov 1:49 pm see journal. 2 on line then a big chase after another one - chased it over house to E.
23 Nov. 2 pm RFF on line & in feeding. what appears to be the hind toe (hallex) claw is overlapping to tibio-tarsus at the halfway point in its length (right foot of course.
5 Dec 11:30 am RFF feeding with Fat Egg - 2' The resident pair in earlier. "
8 Dec 10:34 am RFF to ledge chipping - it seldom calls. feeding on landing alone. It always comes from the N.
29 Dec. 11:45 am RFF into feed

Dec., del Norte St., Berkeley, Alameda Co., Cal
12 Jan. 3:08 pm 2 in together at W. side of deck & scan the 15' to feed, one has ruffled tail - disputed a pair to the W.
30 Jan 9:20 pm. have been about; then, RFF came in to feed alone.
31 Jan fog; 10:31 am 2 feeding together.
8 Feb 4:11 pm rain. One on ledge "cheep" calls one after another; head up, tail jerks.
26 Feb 9:30 am RFF in feeding alone.
1 Mar 4:10 feeding in rain a brief chase!
12 Mar 10:44 am RFF in feeding - no others
21 Mar 1 on edge of ledge, tail up, head up very briefly, wings quivering. RFF is on wire 6' away, it flies to ledge 3' from female bird - both dance to feed. 10:47 pm. 12 pm one in S oak 15' from ground, tail up, very brief head up & wing flutter; another towhee in Pittos 7' away 12' from ground. 1 pm RFF with a mammal on landing. 2:27 1 landed on E end of ledge immediately ruffled breast-flank feathers, head up, tail up, brief quivering of wings; went down to feed.
23 Mar. 2 on ledge - ran at each other, jumped face to face in air (to 24" up) then brief chase.
26 Mar 3:34 pm one in oak feeding. On w. a vertical 1/4" branch, 8" from leafy end.
27 Mar 3:30 pm 2 foraging slowly, silently in oak
28 Mar 2:10 one on top of outer limb of oak (N side) 35' from steps - it camera about leaves & branches in an awkward way
31 Mar. 10:25 one on line 3' from Pittos. in the head/tail up display - flew into Pittos. another took its place & did a low intensity display - ruffled flanks & flew into oak.

Pipilo fuscus

31 Mar., Delhaute St. Berkeley, Alameda Co., Calif
10:39 am the same one in oaks, smaller cluster of leaves - branches jiggle and it is in under the canopy most of time. Its movements are slow, peering about - not at all like the other foliage foragers - as townsend warbler and hush-tit. 10:59 (? from oaks to landing) one in full intensity display: head up, tail up, side feathers extended, wings jerked about & short steps in circle.
1 Apr. 2:21 pm 2 on ledge; one did a brief head-tail up then it ran at other & both flew up - about rear face to face - fighting?
4 Apr 9:23 am 2 on landing "swee-swee" call - close together & same head up.
9 Apr. 6 am duets calling singing; "cheeps" of towhees
7 May They have been in; no yelling or more sexual behavior - 4:26 fog - one flew from landing NW into thicket & landed 10' from tip in a heavily leafed area at NE of tree.
8 May 8:45 am fog, 2 from Pittos on to ledge, "three" call repeated 2-3 times, one did a brief tail up, head up display.
15 May 6:53 pm one in oak on top of cluster of leaves 25' up, N side; then flew to N bare
23 May several times lately towhees feeding in the oaks, on ends of branches (-verticle) again - very common.
24 May 11:34 am ♂ & ♀ flew into ledge, followed by juv. with down on one side of head - it begged - tail up, wings quivered & leaned toward parent - calling.
28 May around always, but in oak once in awhile

Pipilo fuscus

A June, del Norte co., Berkeley, Alameda Co. CA
9:04 am clouds, sprinkles, one flew from across sc. to ledge, monotarily, did a head-tail up display without ruffing feathers. fed & made whining call - couldn't see if there was another birdabout
5 June 9:34 am one feeding; another joins it & they do "whining" call briefly
7 June 2:30 pm fog all day. 2 at S end of landing. faced perpendicular to each other tail up, head up but not extreme, wings fluttering & one away from other held higher, but only briefly so. were making low tech to seduce, could hardly hear. were 24 - 30" apart.
16 June sunny 1:25 pm a juv. jay up into near cedar, then glided over pond to Pittos & always immediately two towhees chased it back to Pittos under the cedar — amazingly all with no calls.
18 June 4:44 a "strange" one showed up & a big "jump" fight, & chasing into Pittos, ads & to NW. 2 ads local pair joined in.
20 June There has been an extra towhee about which was chased by the local pair.
21 June on line at 8:15 am with dogs a very dull towhee which gave a begging action to an ad. who gave a low intensity head up display - then is chased after one. 9:23 am the same dull one on landing - can see bits of neutral down. ad. with it - fed it briefly.

Pipilo fuscus

25 June, del Norte St. Berkeley, Alameda Co. Calif
on dues - in mouth an adult!
26 June 10:50 am fog = juvs dabbing in feeding with 2 house finches - seemed to be selecting millet.
27 June 9:28 am two flew into oak & after several minutes one flew to Pittos. Then dabbing juv. on landing feeding plus one adult. another ad. appeared and it immediately ruffled feathers & spread slim head, head & tail up. Then other ad did the same 2' apart, making then one chased other into face to face fighting & to S. all this time the other fighting juv. on line 19' away. I suspect these juvs. are from different pairs. 9:59 am juv. light on wire 15' from house. ad. at N ledge - it flew at juv. & chased into the oaks.
1 July both juvs absent, but not together 11:05 one feeding on outside of canopy of oaks - has to frequently maintain balance by spreading one wing against the foliage.
3 July 8:30 am dabbing juv. on N ledge - an ad. supplanted it - flew 6' to S on ledge. ad. charged - head down running - juv. flew S. 9:32 am 2 in feeding - could hear the "sheee" call to N. Then they flew & then 2 appeared from Pittos. landed 10" apart ruffled feathers & (both?) gave "sheee" call no head up, etc. I think there are 2 pairs & each has one juv.

7 July, del Norte Co., Berkeley, Alameda Co., CA
Dull light tan colored juv. has 2 or 3 long tail feathers on r. side and 1½" of other tail feathers coming in on the left side. Is this a replacement of lost feathers or normal molt? ~~7:30 am~~

12 July 9:58 am dead one in oak woodland through opening on ½" branches near edge of canopy. Walking in live oaks is a matter of size! of the insect predator.

18 July noon - loud squelling calls from Pitts. and a towhee on line giving "cheap" call - couldn't see much but several towhees - muddy channel & an a wire - out came a fat Sp. to E (the Gillian house) Only saw Br. towhees, though house finches about.

21 July 9:58 am 2 in flight - flying up facing each other - a harsh e-e-e call - flew off to S.

23 July 2:25 pm alone juv. spotted breast no obvious molt, shy.

26 July 8:30 am 2 spotted breast juvs in feeding one from S one from N. Pi-Tos.
10:33 am one with tail feathers being replaced 1½" center new feathers - dark. This is not the N territory birds -

29 July 10:11 am 2 juvs feeding together both with speckled breasts & no molt. 3 others at S end of landing - towhees suspected. Banded juv. Rt. White

Pipilo fuscus

21 June, del Rancho, Berkeley, Alameda Co. Calif.
11:10 (= 82°F outside shade) am 2 ads feeding together.

23 June 8:19 am juv. in alone to feed with house finches & a dove. at 7 am 3 ad. at S. end of landing - one ad head down charged juv. which flew to top of house to S - 20' away.

24 June 4:21 pm dear me in canopy of oak foraging - moves slowly, shaking branches and picking something off leaves - was there 5 minutes, frequently changed perches but would be near as often of the smaller species. The bird has to be on large branches ¼" than smaller birds & spends more time looking about. It flew 1 mile to Pittos. I get the impression that though this sp. feeds on mostly on landing off & on during the day it is not exclusively a seed eater - I can't see what else it does - except occasionally in drab, as today.
I think there are 2 juv. towhees - one has dark brown/black secondaries & & lighter tan-brown Gt. Sec. coverts. The other is really scruffy especially chest area & about head and at 11:18 am appeared with what looks to be the local pair. This one is a more uniform brown on the wings.

25 June 9 am juv. with light Gt. Sec. coverts (actually the edge of feathers are lighter than mid sections so it appears to be wing bars) also has faint short stripes

Pipilo fuscus

4 Aug. Del Norte St. Berkeley Alameda Co. CA
8:55 am fog one of ads. on line with a juv. 12' from house ad. fed juv. — the local pair. 9:39 am 2 on line & an ledge both unbanded juvs with wing bars & streaked breasts - one pursuing another with its tail up & close wing partially extended & flicked — the other leaped away.
5 Aug 11:33 am 3 juvs. on line & on ledge — one displaying tail up wing quivering to another in an aggressive pursuit hopping down line to W. bath fence.
14 Aug 9 am clear 2 ad & 2 juv. all molting
22 Aug 10:18 am fog 2 feeding on landing - ledge. both heavy molt on head and lateral tail feather replacement - new darker feathers 1" long. One gaped, i.e open bill to other, into P. Hos.
10:52 am juv. on landing giving tail cap both wings extended & quivering to another bird that flew into P. Hos.
24 Aug 8:59 am at least one mid height in oak in canopy moving very slowly, entire breast/belly made as it changes perches, not agile & on 3/16" + branches
28 Aug 6 am + first light & feeding on landing — one crouched, head slightly up, tail parallel with floor wings quivering and singing very quietly a complex warbling song almost like a jay whisper song. a strange lilting song - flame 8-10' ft.

Pipile fuscus

5 Sept; del Norte St, Berkeley, Alameda Co, Calif
11:30 am one on line near Pittos. & at least 2 slowly working through the oak. They were on landing earlier in a.m.
16 Sept 4:20 pm general rain all afternoon one has been on line 12' from house for 3+ minutes then in 2-3" jumps to the ledge — its not really wet & few feathers studs together. Its nuts was with it briefly then ducked 1' into the pittas.
23 Sept consistantly there have been 3 in front about the food & in the trees. 10:40 am fog 2 ads. #1 is/are nearly finished molting plus another nutty head male. There was a chase to S. Have not seen the white bearded bird.

2 Oct. 8:45 am fog 4 towhees, 2 on landing 1 on line near Pittos & 1 in Pittos to line. a few. Male is almost finish molting chased by another. One (the local pair?) gave a display: body fluffed up & skin head up. is this a low intensity aggression of territory?
4 Oct 9 am individuals on landing this am as well as 50' up in a' elm and 70' up in the w'elm. Its easy to think of this sp. as a ground dweller or lower thicket, but regularly they are 20'± on landing, more in accts and 30' up in the Pittos.
10 Oct. 9 am 2 on line 11' from house, 2' from Pittos & 8" apart both in good full plumage. 9:23 am: One feeding on millet, one on line 6' from house (same pair) then 3rd which

Pipilo fuscus

10 Oct. del Norte 21, Berkeley, Alameda Co., Calif
is still nesting but lots of nests - these
just on line close to ad. 12".
11 Oct. 8:39 am 2 in Nwelm, mid alnus
line, up 50' - don't see them til high often.
8:55 am again 2 10-15' from top of TO'NW
on branch to branch. 2 jay (corvid) calls
in top of tree.
20 Oct. 9:15 am 2 on line at P. ttos, one in the
tree 3' away & another flew into P. ttos. So 4 -
a big chase to N.
23 Oct 1:35 pm aversus; 1 Ec. t. charged a ♂
house finch twice as a distance 1'+ then
turtlee chased H.F. into P. ttos. This is rare eeby?
24 Oct. 10:48 am scattered clouds 2 near top (10')
of NW elm, much flying branch to branch.
12:50 one in small pine in front worked up
branch by branch, especially working over
areas of sessile ones. Also another in the
apple - then both flew up into oak, on
1" branches under canopy. The leaves
& twigs too close together for them to
negotiate.
26 Oct 11:28 am 2 feeding both adult looking
but one has definite raised tail feather,
1/2 in & it has a buffy terminal band.
4:10 pm one feeding = tail replacement, 1"
from older feathers Now 3.
31 Oct 1:35 pm 3 on ledge - looks about the same
3 Nov 8:26 am a series of chases, etc a total of
4 in P. ttos - now 3 on line. more chases.
14 Nov 8:45 am one billing a pea from the
pigeon mix, it must be soggy, for it came
apart, dropped it, picked it up & then flew off with it

22 Nov., 2d Hearst St., Berkeley, Alameda Co., Calif
4 pm 3 feeding 2 - 3' apart on ground in bush yard - under vegetation
29 Nov 2:50 2 have been in oaks, 25' up
1 Dec 4:25 pm 2 in feeding, haven't seen 3rd lately
5 Dec 2:17 pm Jay 2 ledge & line & one scratching at old squirrel nest in oaks. One chase.
22 Dec. banded one caught in squirrel trap orange/Lt. 3:30 jays in view now 2 - can't see legs.
27 Dec 10:19 am high Jay; 3 in feeding.
28 Dec 10:12 am 3 on line & feeding - what happened to the one I banded?
3 Jan 10:30 ± 2 in oaks, one is again "scratching" at old Fox Sq. nest.
19 Jan it seems that this sp. is the harbinger of a feeding frenzy - doves, towhees, they came in others do. They are the 2nd ones first in, but my impression is that they feed on seeds provided for only half of their diet — they can be gone for long periods of time.
20 Jan one in oak near Sq. nest. Then 2 on line 6' & 8' from house. One gave display cuing, tail up & shinny head up display. both flew down into lawn part of oak. There have been several chases lately — is territoriality beginning?
10:47 - 2 near Sq. nest; flew to N w elm followed by 2 others — so 2 pair(?) locally.
22 Jan 10 am one on top, scratching & feeding at upper Fox Sq. nest in W. section of W elm valley this interest in nests?

22 Jan., dd Vasta St. Berkeley, Alameda Co, CA
10:23 am 2 light in Welw with malin
& same house finches. tawhees 10' up
which not unusual, but not common
occurrence.
28 Jan 9:46 am cloudish, near sprinkler.
31 Jan 4:57 pm The gaddald Eastern
are in & it shells pickles doubt if it
takes other seeds.
5 Feb There have been same chases today
& yesterday. 4:23 pm overcast. are feeding
another on ledge 15" away - it head slim
& up, tail horizontal - it alternated BOTH
wings in vertical half spread & quivering
both flew into oak.
9 Feb 12:40 pm the loved pair Both at the
old Fox Sp. nest in oak.
14 Feb 10 am same chases this a.m. Have
one at old Fox Sp. nest in oak.
6 Mar. 9:24 am Looks like there are 2
pairs about. Last 2 days 2 birds with
both wings quivering laterally.
13 Mar little real behavior, etc. one has been
about old Fox Sp. nest & on edge of canopy.
15 Mar 6 am a rattling call - at feed. 8 am
2 on line 24" apart they hopped up line
slowly. Dawn bill bird tail up & wings
flicked
18 Mar 9:03 3 flying thru mid section NW arm
a chase & follower. It looks like 2 pairs
in neighborhood.
19 Mar 4:21 pm 2 30" apart on ledge both
flipping wings — one on left did most
flipping with Rt wing then they flew into oak

23 Mar, del Norte St. Berkeley, Alameda Co., Cal 8:34 am 2 flying about high in NE elm; mild chasing.

26 Mar 4:27 pm - 2 flight-fight 10' vertical breast to breast up 15' in front of oak 20' away; disappeared into far side of oak one lands to line.

30 Mar 9:15 am 1 or 2 in oak, 1 flew to line then high in Pitos. Then another oak to Pitos from there 2 face-to-face encounter 2' above Pitos. Then down E side of oak toward steps. A little there are 2 pairs

31 Mar 9:04 am 1 pussing about area of old squirrel nest in oak - shaking a branch

2 Apr 4:13 pm oak with many new leaves and shiny light green. Have been watching small branches wiggle & move - a larger bird at last - only a towhee, but this is not usual feeding situation."

5 Apr 8:13 am. 2 on line 6' from oak one just extremely fluffed up. Other approached by hopping along line alternating direct ions - tail & head up, fluffed & veering away from other bird out & quivering. Then first one flew into oak followed by other. Then well into tree on inner part of canopy they were together & what looked like copulation - one (♀) tail up; (♂) flew into Pitos-

6 Apr 10:40 am 1 in central part of oak, flew to line 6' from house; joined by another from NE both fluffed up - gave wheezing call. 10:45 am 1 alone - ledge head up fluffed

Christmas
1990

Pipilo fuscus

6 Apr. del Norte 21, Berkeley Alameda Co.
So far this year I have noticed
any towhee or other bird for that
matter carrying nesting material.
3:47 pm 1 foraging (and ?) on 1/4" branches
just inside leafy canopy.
7 Apr 1:33 pm 1 has been in SE sector of oak
then line & hopped to ledge.
9 Apr 4:08 pm 1 in oak foraging actively
— it looks like caterpillers. 6:37 2 - 24"
apart belly fluffed rather head tail hang. or
up flipping opposite wings — a dove flew
in between — no reaction
11 Apr 1:29 pm 1 foraging within dense canopy
of oak (so far today: starling, House
sparrow, white-crowns. Feed eating
seems to be almost incidental to this
sp. — in everyday
12 Apr off & on I 10:40 several in oak. &
seems as tho there are 2 pair, but a
? 10:50 2 to NW from Fitts into upper 1/3
NW elm tail up hopping pursuit. 1:54
1 foraging lower part, SE corner of oak.
17 Apr 9:28 am 3 in NW elm mid section to
highest part — limb to limb chase
one flew N & down landing 2 on top
9:41 3 chasing thru NW elm.
18 Apr 8:44 am 2 limb to limb in NW elm to 4'
from top; 1 flew NE high. 9:34 2 on line over
st. 1 passive, other tail up hopping about
1 - 2' away in opposite directions, but no
wing quivering & head up / ruffled. 9:59 am
4 chasing about in lower canopy & branches
in the oak. So 2 "pairs!

Pipilo fuscus

18 apr., del Norte Co., Berkeley, Alameda Co., CA
12:25 pm 1 in, from Pitto in & chased fair to N; then 2 hopped in from S. 1:03 another chase in top w.elm then flew E (, but N of my house). 4:21 2 in chase Pitto to lower branches of oak. why all of this chasing w to N.?
19 apr. fog 9:11 am 3 chasing in oak, to Pittos bush to oak. one brief head up, fluffed out feather routine. Then to high in w. elm
23 apr. 11:46 am single bird at old Fox Sq. west in oaks - it's now absquated by new growth. then to line. 11:50 one flew out of top area of oaks to N. So far no display today; one whirling call briefly at 8+ a.m.
25 apr 9:17 am 2 12' apart in mid-section of Nw elm. both flew down low in front yard. There is something strange going on — on the 22nd ± there was lots of display now none. also, there have been 2 seen constantly; but also another one and also 4 seen at times. don't know if there is any nesting.
9:57 am 1 hopping about in oaks in general area of old Fox Sq. west which is now obscured from view by new growth.
10:05 now can see periodically thru thick foliage 2 on 2-3" branches under canopy moving about 10:10 2 flew out of oaks to N low, another in w elm which flew SE, 2:20 one in oaks, flew into cedar - at another bird (? sp.); then flew to SE. 2:33 bill to bill flight fight deep in oak, one flew to another just under canopy at N end.
So it seems that oak is a center of activity

Austin
1990

Pipilo fuscus

25 apr., Del Norte St. Berkeley, Alameda Co., CA.
4:18 2 from asb to lines to N, one could see slim, tail up, flipping wings, changing position, then both dive into asb
26 Apr. 11:19 a.m. 2 pass SE to high in NW during chase?; then another same; all 3 fly to S. at 11:15 what appeared to be 4 flew out of NW elm to S.
27 Apr 9:30 2 tapping about limbs of asb & there is another. 11:18 am 3 15' apart low to S from NW elm. Why 3? 1:51 pm 3 from N into asb.
28 Apr 10:19 3 to S. from NW elm. Have been 2 in asb & generally about. As the third the juv. from last year? 11:02 two to landing - chirring call, heads up, bills open, touched them, backs feathers raised - flew SE.
29 Apr 11:43 1 foraging in canopy of asb. Briefly about 9 am 2 on 1" branch of asb under canopy head up & wing flips 18" apart. single birds feeding on seeds - This sp. is not it appears an exclusive seed eater - they just don't feed on millet that much.
12:51 pm 2 rising 8' over N side of oaks in face to face "fight." 12:54 2 flew N low from asb. 3:12 pr. copulated on 2" asb branch well under canopy on E side
30 Apr 9:48 am 1 on line adjacent to asb Then 2 flew down to N. 10:12 am on line another from E to it - both into asb - & have seen no carrying of nesting material!

1990 Pipilo fuscus

~~Sept~~. del Norte 25, Berkeley, Alameda Co, CA
1 May have seen 1 about 8-9am then 1 in, suddenly 2 others, all flew off. 11:02 2 on ledge/landing 3' apart then close to S. 11:16 2 from N into mid-aab.
3:29pm 2 on line; to landing to feed into Pittos.
2 May 8:30am 2 on landing feeding.
3 May just occasional glimpses today - in backyard one on fence at 3pm with small larvae in bill - so nesting!
4 May 9:12am 2 feeding; 2 on line - so 2 pairs 1:32 2 on line adjacent to aab then flew into Pittos. Have not seen them carry food.
5 May 8:56am 2 very bright red ♂♂ & 1♀ at D-4. 11:35 2 on landing - wag. & crest fluffed up, tail spread & dances w/ wing flutter & 1 brief chattering call flew into Pittos. 5:41 2 on line adj. to aab, then into aab.
7 May 4:12 1 in & crouched & made a ratchy cee call. Then 2 on line next to aab. One flipping bath w/ wings also mascal about something
8 May 8:37am 2 feeding from aab. one brief, low intensity head-up.
2:07 BANDED on Right white
3:20pm 1 in back on hillside picking up small nesting material, 6:59pm Rtwh in to feed.
9 May 8:14am 2 on line, next to Pittos (15'W) then to ledge/landing; another N ledge with head up (that's all, display). 10:04am fog - Rtwh into feed - flew N. So, there are 4 who

Pipilo fuscus

9 May, del Norte St., Berkeley, Alameda Co, CA
came in to feed & don't think this includes the pair in backyards. 11:01 am Rt Wh. in again - no others about. 12:54 pm The 2 in feeding. They have been flying about all a.m. Oaks & Pittos to N center of activity - have seen no nesting material or faced in bills & alluringly not incubating
11 May 9:39 am Rt wh. feeding alone.
14 May 9:49 am 2 have NW elm to line near to Pittos - one rather slim, head up & tail up (nearly vertical), no behavior pour other, then both into oaks. 9:59 am. Rt wh in to landing - alone. 10:03 / to same spot on line head & tail up with wing flutter; other appeared & hopped on first ones back & brief copulation, & flew to landing followed by "9", then both flew Pittos to NW. 10:07 Rt wh. in again. 10:43 Rt wh in from N to feed (more here than pair): was this the 3rd bird about with pair? Have NOT seen 3 towhees flying, this about as earlier.
15 May 8:30 am a new towhee in this a.m. appears to be a juv. dull plumage with vague stripes on upper breast; no spots not accompanied by an adult. 8:55 one on line, brief head-tail up & bits of wing fluttering - 10:20 an attempted copulation. Have just leaving on line; both into Pittos.
16 May 8:30 ± juv. on line alone, 10:15 one on line head-tail up & wing flips (both wings) 3:R pair several times this Pm

Pipilo fuscus

16 May, del Norte St., Berkeley, Alameda Co. has been on N ledge, fluffed up head up & wings fluttering

17 May 8:42 am a juv. has been feeding on landing for 10 min. - now 2 of them. The "pair" in ads, flew N. 11:35 Rt. ads. feeding + 1 juv.

18 May 3:38 pm Rt ads & a juv. on line 4' apart

19 May 9:37 am 2 local (pr.?) feeding. 12:34 pm 2 3' apart on ledge semi head up & fluffed, but both wings fluttering, then down to feed. 3:44 the 2 juvs. in with 1 ad 5:48 a pair ads - 4 together - [2 juvs - 2 ad] now four as back pairs?

20 May 9:22 am light rain. Rt ads., another adult & 1 juv. feeding. All are a bit wet.

21 May 9:30 am 2 60' up in cedar & w elm, following each other, 1 juv. feeding. Towhees are not prominent ground birds, although they can be high in a tree thrashing about & they are very frequently high in trees for a species that is reputed to be a ground feeder.

22 May 10:49 am Rt ads in feeding alone.

25 May 10:54 am 2 in flew N. good plumage & a juv. in earlier.

26 May 10:13 am 2 juvs. showing sign of molt!

27 May 9:21 am moderate rain - a new behavior. Bird erect, head lowered forward & down - neck feathers raised, wings half spread, tail low - almost like a towhees "mantling". didn't see who it was displaying to. 10:42 am 2 flew in

Christmas
1990 Pipilo fuscus

17 May, del Norte St. Berkeley, Alameda Co. CA
to feed, brief "chirling" call 1:02 Rt. Wh
in alone feeding; another on line then to
ledge. nest raiding now.
30 May - 9:02 juvs in; all dusk to dawn
5 June 9:16 am 1 top upper cedar, briefly!
flew down to S.
11 June 9:28 am 1 top of upper r. cedar! displaced
in top by 2 rabbits - twelve 2' down now
9:13 am flew N. haven't seen many up there!
14 June Rt. Wh feeding at 8:13 am alone.
16 June 10:19 am Rt. White in to feed alone. This
is apparently an ad., but could well be the
juv. of the local pair from last year.
20 June 8:23 am 1 in top upper cedar! 8:23
former still there. Then 2 in big chaparral
front of house then to S over oak & then
the cedar. 8:30 former flew (-? where).
24 June a juv. (streaked breast) on ledge.
no band, shy.
29 June 11:27 am fog, juv. (striped breast) in
with 1 dove & house finch.
5 July 8:38 am juv. has been to landing, then
a chase high in W. elm - 3 birds. Then
Rt. White on line.
7 July 10:09 am 2 on N ledge, both fluffed
up tail down & did "chirling" song
one was Rt W! other individual may
orange throat. 10:10 what appears
to be a towhee top of upper r. cedar.
flew down at 10:11 am. Same again at
10:50 am.
10 July 8:35 am Rt W. in dog.
13 July 8:42 " " " " no call.

Pipilo fuscus

14 July, del Mate St., Berkeley, Alameda Co., Cal.
a.m. in to feed this m. = separately: 1 juv. then
1 ad, then Rt. wh.
16 July 6:30 am caught one in squirrel trap
banded as
11:35 am Rt wh. feeding; quiet little "chep"
call 12:06 pm Rt wh. & another in a fight
flight up 5' over landing - couldn't i.d.
other.
17 July 8:25 am Rt. wh feeding. 9:09 unbanded
1 feeding, Rt. wh. appeared - puffed up &
whirling call, then a 4' vertical fight
flight. Then the juv. arrived alone. 9:45
1 unbanded ads. semi head-tail up whirling
call & wings out from side of body with
a bit of quivering
18 July 9:20 am so far this a.m. = local pair in
several times; then Rt. wh. alone. Then at this
time Rt. wh. flew to landing immediately
followed by another (unbanded) they puffed
up facing each other, dropping wings &
mutual whirring call. 10:20 again from
N, Rt wh & another to ledge whirling call.
19 July 6:14 am 1 came in spread tail 1/2
drooped wings & gave whirring call.
8:16 am 2 unbanded birds feeding the a fight
flight 7' up - above rock & bush down to
ledge 8" apart - both tail up, body feathers
fluffed out, head only semi up, 45° to
each other with wings quivering, then
another flight - fight 1/2 5!
★ 10:34 am new band = Lt. Red. 12:34 pm
Rt wh & unbanded to N. ledge from N whirling
call, etc. Rt. wh. flew on.

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Pipilo fuscus

20 July, del Norte E. Berkeley, Alameda Co. CA
6:50 am Lt. red in. 8:34 am Rt ads in. 8:49 Lt. Red feeding - flew S at 6 is trapped in frame S. 8:59 am Lt red feeding flew S. 9:06 Lt red, an unk. ♀ Rt ads. feeding together 9:44 am Rt. ads ♂ unb. in briefly one short sobirling note - flew to ird area Pittos. 10:03 Rt. Red in with unb. bird. 10:07 unb. ♂ to landing fluffed up briefly then Rt. ads. appeared farther up to it fluffed up & whirling call, briefly.

22 July about 4pm a tanager on ledge with Lt feeder up - only saw tags. flew N.

24 July 8:44 am Lt. Red at ledge flew S. 8:50 Rt ads in to feed.

26 July 10:52 am Lt red feeding 6:52 Rt Red in alone except finches flew S.

27 July 8:22 am Lt R. feeding 11:18 am 2 sailed into top of Pittos from N of NW elm, then to line & in to feed. no displays, etc. bath unheeded. 11:28 am 2 chased 1 S from Pittos - 11:30 am 2 unbanded ads feeding with the juv. 7:14 pm fog Rt white in.

29 July 10:46 am 2 flew to line adjacent to Pittos (unbanded) followed by the juv. for flew into oak. The unbanded pair are 1) long established & trap shy 2) have 1 surviving juv. which still is with them. 11:02 Lt Red in alone flew S. 11:43 am Rt ads on line, in, bath, etc alone.

30 July 5:55 am 2 feeding under branches at S end of landing. 1 2' up on branch is mopped up, tail up & singing a very

Christmas
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Pipilo fuscus

30 July dd Nate 25, Berkeley, Alameda Co., CA
quiet song - very complex, reminiscent of the Jays whisper song. Nest found if before in very early am. 11:15 am 2 juv. on ledge - one is fluttering wings tail up, no call. Not fading alter.
31 July 10:34 am fog - 6 feeding - Rt. Red & 3 juv. all peaceful.
1 aug 9:58 am Lt Red & At wh in nette seemed juvs. 11:15 am Rt wh. on line next to unhanded 1 mesh preening & heading pastures (tail natural). another to line 7' away Rt wh hopped down line toward it - it flew & when Rt wh. was 3' away - now preening.
1:08 pm 2 unhanded feeding when Rt wh appeared from N - the 2 flew into oak, but fast.
3 aug Lt Red & unbanded on ledge
4 aug Lt Red feeding, Rt wh. on line at 9:35 am
7 aug 8:56 am 2 to line 2" apart then to ledge & down to feed. These 2 unbanded = the pair that has been hanging about, the adult pair from last winter.
12 aug. Lt red at 11:17 am outer tail feathers worn, light brown - all central ones new dark & 1" beyond tip of folded wing.
14 aug 9:13 am ad banded Rt Yellow
15 aug Lt red feeding at 6:25 am. 9:36 am 2 next to each other on line - both unbanded. earlier 6:30 am 2 unbanded on ledge - one fed another twice.
18 aug 6:19 am overcast first light, 2 facing each other all fluffed up, tail up wings out & heard their "whisper song", saw at 8: quiet.

Christmas
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Pipilo fuscus

17 Aug. dbl Hantzsch, Berkeley, Alameda Co., calf
9:10 am Lt Red & unbanded 1 feeding.
23 Aug 10:46 am 2 unbanded together, (8") at W end of landing, also Rt W & an unbanded one feeding at W end-landing.
4:19 pm a juv. trying very hard to crack a small black seed - can't do it - bill too open (3 mm ±), then saw S. on ledge.
25 Aug 10:31 am Lt. Red in alone - molt esp head & tail replacement (½ + finished)
27 Aug 9:33 am Rt. white in alone
28 Aug a.m. in alone & separate Lt R & Rt W.
29 Aug 9:21 am Lt. Red feeding. Then unbanded 1; both in molt & then together, saw S on ledge.
31 Aug 8:23 Rt wh. in molt finishes.
2 Sept 12:37 pm Rt wh & unbanded 1 at W end of landing - same low "cheeps"
6 Sept H.F & 2 b. feeding: Lt R & unbanded both have new lateral tail feathers 1" beyond tip of wings. They went S.
14 Sept 9:39 am Lt. Red in completed molt several unbanded ones with terribly ragged feathers at nape - strange appearance now - 2 wh. a lisping whirling call.
20 Sept: Rt white in to ledge (N) & landing alone.
21 Sept 8:38 am Lt Red in alone
22 Sept 9:24 am Lt red making whirling call to another - unbanded. Lt R was puffed up, tail down, head normal nape feathers raised, bill open.
* caught a juv. Rt Yellow molting head/neck
24 Sept Rt. white alone 9:12 am

25 Sept. del Norte St. Berkeley, Alameda Co CA
10:07 am Rt. wh. in alone, an unbanded 1 in several minutes ago.
26 Sept 8:30 + Rt Lt Red in alone. 9:39 am unb. molting 1 then from Pittos 2 more - unb. no molt a vertical flight-flight - no calls! There were 4 in chases, displacements, including Rt wh.
28 Sept 7 ag 8:48 am first a molting juv. on line then feeding on landing, then unbanded ad., then Rwh on ledge to N. 9:25 Lt R in feeding with unbanded ad, - one brief chirring mate.
29 Sept 11:11 am Rt wh & unbanded ad in to feed. Lt Red in very briefly about 9 am
6 Oct 9:23 am Rt 4 in briefly chased to w by unbanded ad.
9 Oct 8:21 am Rt wh in alone, to S.
12 Oct 9:20 am Rt 4 in alone - heavy molt on head.
13 Oct 9:26 am 2 unbanded in feeding. 9:25 Then Rt wh. on line 10:00 2 unbanded birds feeding. 10:43 Lt Red & unbanded feedy run to S on ledge. Rt 4 in
15 Oct 9:04 am Rt wh feeding; Rt 4 on line, then flew to ledge S of farmer.
17 Oct 8:47 am 2 unbanded in to feed. 8:53 Rt wh. in at NW corner of ledge alone, then joined by an unbanded one. 10:21 again Rt wh & unbanded 1 in.
18 Oct cloudy allday Rt wh in several times in a.m. with unbanded 1; 3:36 Rt wh on line & Lt Red feeding. Doves coming in.

Pitilo fuscus

20 Oct, Del Norte St., Rockeley, Alameda, CA
R+ ♀ in back yard at 10:20 am.
22 Oct. R+ Red & unbanded I as 10:11 am—the first in.
27 Oct 10:54 am R+ wh in
29 Oct 11:05 am 2 unbanded adults to feed & bath & fall into Pittos.
9 Nov. The caging/painting has discouraged towhees The black asphalt didn't keep them away, but no sparrows did. Today—aluminum paint—no lady comes in — too different?
12 Nov 9:10 R+ wh in feeding.
13 Nov 11:20 am R+ ♀ in alone, then unb.
14 Nov 9:55 am 2 unb. ads feeding 10:37 1 feeding on wet bread on ledge—carried it there from landing 24"+. 2:01 Rt ♀ in alone
15 Nov 4:12 pm R+W & unb. feeding with doves
16 Nov 9:26 L+R in alone; R+ wh. in at 8:30 am accord. L+ Red eating piece of bread.
17 Nov R+W & unb. in several times today
19 Nov 10:28 am fog 3 unbanded ads in.
20 Nov 9:46 am 3 on line; 2 unb + R+ wh.
24 Nov 9:39 a.m R+ wh. & 2 unbanded in
4 Dec 10:08 am R+ wh feeding — this & 1 unb. have been only ones about lately.
5 Dec 8:40 am 2 unbanded feeding; + 1 more. 10:57 am 2 unbanded on ledge/landing 11:02 am R+ wh. into N end of landing; now with 2 unbanded ones.
7 Dec. 4:20 pm clear 2 unbanded in to feed
10 Dec 5:59 R+ wh in

Pipilo fuscus

18 Dec., dd Nute St, Berkeley, Alameda Co., Calif
3:50 pm, 2 from S to line 15' from house
1' apart one fluttered wing closest
to other bird; same facing opposite direction
4:03 pm 3 on line (incl. Rt w) & 1 on landing
much tail flipping. alert, a few "chips"
23 Dec 4:31 pm Rt w/ch. killing a large cabbage seed
flower seed & finally cracked it open -
very persistent.
3 Jan 4:28 pm overcast. 2 onto line from
Pittos - no bands - 1 flitted about with
same near side wing flips. flew S.
9 Jan 10:34 am fog 3 unbanded foraging in oaks
14 Jan 2:31 1 foraging mid pacific oaks
23 Jan 4:20 pm first in today - 1 unb.
30 Jan 4:15 overcast 1 from S in; 1 from N in.
31 Jan 1:44 Rt w/ch. & 2 unb. about.
1 Feb 3:21 pm 2 from oaks to line then in feeding
have been in & out all day - will do some landing
2 Feb. 10:40 am lite rain Rt w/ch & unb. on line
earlier 2 unb. feeding. 1:16 1 foraging in oaks
5 Feb 9 am unb. & Rt w/ch on line, then in to
feed more in oaks.
11 Feb 10:16 am 1 in feeding. Have heard the
"cheap" calls this a.m. 3:56 sunny Rt w/ch & an
unb. 1 in, former from oak.
12 Feb 8:57 am 2 chasing about in oaks
canopy above; branches waving.
15 Feb 8:49 overcast 1 in briefly - plaintive,
quiet "cheep". 4:15 overcast Rt w/ch & unb on
line 8' from house 10" apart - actively peering about
The unb. 1 is larger than Rt w/ch.
27 Feb 2:53 Rt w/ch & unb, rummaging about
in Pittos 3' from line, 15' from house in thick leaves

Wis Journ
1991

Pipilo fuscus

28 Feb. <u>del Norte St., Berkeley Alameda Co., CA</u>
10:17 1 bright in elm cup at once common
limb.

<u>1 Mar.</u> 9:59 am cloudy Rt. wh. & unb. on spaced branches of arb – edge of canopy; then to Pittos.
2:44 2 unb. feeding together.

<u>3 Mar</u> 4:26 pm clouds. Rt wh & unb edge of canopy in arb
<u>8 Mar</u> 7 am unb. one in Squirrel trap = banded as <u>Lt 4 ellaw</u>
8:44 am Rt wh. and Lt 4 into feed together
10:55 am 1 on line 4' from house, to ledge & down to food – no band! And Lt 4 at least 15' away.
<u>9 Mar</u> 1:48 pm cloudy 2 unb; then Lt 4 so there are 4 <u>at least</u>.
<u>10 Mar</u> 2 pm light rain 1 feeding among new growth of leaves & flowers on arb – two in tree. Have been active all day.
4 pm 2 including Rt wh. feeding in arb clusters
4:07 down line to tree 6" away is sidled up to 2½" no reaction from dove.
<u>11 Mar</u> 8:30 am Lt 4 feeding; Rt. wh 6' away
9:45 am 2 on edge of arb canopy, feeding & hopping in sun. 1-2' from top E side; other 8' down on E side. Quiet quickly the arb is a resource to towhees. It seems they are eating the vegetative tender flowers, or insects? 4:3: Lt 4 feeding on landing 3' from an unb.; Rt wh from Pittos flew at unb which flew to S.
<u>12 Mar</u> light rain, 9:32 am Lt 4 in to feed.
★ 1 in Fat Sq. trap = <u>banded: Lt. wh, Rt Orange</u>
4:40 heavy overcast – 2 in top of arb feeding on flower-catkins.

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Pitilo fuscus

15 Mar., del Norte St., Berkeley, Alameda Co., CA
10:38 am R+O in with another —?
16 Mar 9:41 am arrives veh — O. in briefly
1:28 R+4 in clusters of new growth — flew in
oak 6' from top 2:45 R+4 in to feed alone.
3:58 another patrols feeding in oak not much
moving about.
17 Mar. R+O in to feed. 4:56 R+O L veh on line
Towhees are characters! 1 8" from dove on
line, another dove 5" from first.
18 Mar. 11:15 am R+O on line & veh. 1
on ledge. 3:30 arrives 2 fast low overhead
into oak. 3:46 1 mob. in to feed, another on
the line then ledge. interlopers? 4:09
R+. veh. near top of oak, 4' away another can't
see the legs — among the catkins. 4:24 watching
1 in oak, seems to be eating clumps of new
leaves! Drops lots of bits,
19 Mar 8:20 am mob. & R+O — L+veh feeding
together. 8:55 L+4 on line — flew into oak.
11:26 L+4 & R+veh feeding in oak 12:01
1 mob. feeding in oak.
20 Mar. 10:46 variable clouds 4 into oak from
high in Pittos (NE) surprisingly fast agile flyers
21 Mar 9:43 R+4 in alone. scattered clouds.
R+O, L+Win at 6 pm 6:15 almost sundown: R+O
L+veh on landing (see possible hawk in oak
22 Mar 1:18 pm R+4 on line with an
mob. towhee — former into feed.
23 Mar 9:17 arrives L+4 on line preening alone.
11:31 R+veh feeding with dove, in ¼' rain & water
25 Mar R+O, L+veh feeding alone 9 am; 11:10
L+4 alone.
26 Mar 12:01 R+O — L+veh & mob. 1 on line

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Pipilo fuscus

26 Mar., del Norte Co., Berkeley, Alameda Co., Calif. They are spending a lot of time in oaks feeding among new growth. 2 of them 12' apart
27 Mar 11:43 Rt O - Lt sub. from oaks to tree to N ledge & down to feed.
28 Mar 8:50 Lt Y on line & to Pittos. 8:55 Rt W in to feed from Pittos. 9:49 Rt W on N ledge & Lt Y on line 8' from house. 4:44 Rt O; Lt sub in new growth of oak. And an unk. 1 from oaks to bunding. They are doing much searching & some bill manipulation.
29 Mar 10:15 unk. 1 in; then Rt W into N ledge & Lt Y on line.
30 Mar 9:12 am clear 2 unk. trochees on ledge. 10 am 2 in oak (S side high) - flew down to S. and Rt sub. in Pittos to ledge. Haven't seen any sign of territorial defense yet. Lt Y on line at 10:02 - into Pittos.
31 Mar am cool, 2 have been high in oak, but can't see legs, or bands. 12:44 Rt W on N ledge alone - down to feed.
1 Apr 9:17 Rt O - Lt sub. on line then to ledge. 2:18 watching a towhee in oak - it is picking off - 1/2" larvae at bases of leaves 2:23 Lt Y in feeding briefly. 3:46 Lt Y & Rt sub feeding 6' apart - so far no breeding display.
2 Apr 8:25 am an unk. from oak to line, then Rt O - Lt sub. same & out in to feed. 4:16 Rt O - Lt W on line 13' from house. 4:23 1 unk. feeding on landing. Then Rt sub. in.
3 Apr 9:56 Rt O - Lt sub in feeding alone
4 Apr 8:52 am 2 high in N willows. 1 is Lt Y. 9:20 Rt O - Lt sub. in, was an unk fluffed up, head up.

Pipilo fuscus

4 aps., Del Norte Co., Berkeley, Alameda Co, Calif
11:02 R+O- Ltch's into feed
6 aps 11:24 2 unb. in
9 aps 8:28 Lt + 9 in alder with a dove feeding
10 aps R+O-Lt W on line at 8:57. At 7:30 am 3 in - 2 were fluffed up & made first incomplete wing flutters. 11:19 two/three foraging in oak shrub methodical & mainly on tap of leaf clusters.
11 aps 8:34 R tch in V ledge. 6:11 = unb & R+O - Ltch on line, then in to landing.
12 aps 9:48 a.m. Unb. and R+O-Ltch on line - 10:36 2 feeding closely three canopy of oaks mainly more in canopy not seen often - 2:42 in oak - eating - minus 1/2" green caterpillers/larvae - greenish. It is more than bill length - wise before swallowing. 3:47 R tch & unb. in at duff V. landing, unb scratched in duff. Duff = old shells of seeds.
13 aps 11:56 R+O-Ltch in to feed.
15 aps 8:15 am at least 3 in mid section of oak 1 face to face fight. 8:54 R+O - Ltch & an unb. out of oak to line to landing. 8:56 both to line 4" apart. R+O-Ltch. attempted to mount unb., fell off, unb. fluffed up & raised tail high - both into oak. 9:08 two/three feeding in oak canopy.
16 aps 1:45 R tch & unb on line then in to feed.
17 aps 10:33 2 feeding in oak. to ledge & food on unb. & R+~~Ltch~~ - Ltch.
18 aps 8:54 am unb. feeding & R+O-Ltch on line, flew S. to neighbors. 10:27 2 unb feeding with several dunes

Christmas
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Pipilo fuscus

19 Apr, del Norte St., Berkeley, Alameda, Calif
10:39 2 - 15" apart 1/2 up near cedar
have been in aeb.
20 Apr. 9:40 1 in oak, first a.m. cloudy.
9:54 unb & R+O - L+wh on line next to oak
flew down to N. 10:46 above on landing
feeding. 11:59 R+wh. in with an unb. flew
N. - same at 3:02.
22 Apr. 9:07 1 on cluster of oak leaves N
side of oak. 9:49 R+wh. feeding with
R+O - L+wh on line 15' away. R+wh. to N.
23 Apr 11:24 unb. on ledge & to food
while 2 clamoring about in oak -
L+wh - R+O & unb. 11:36 R+wh in feeding.
3:41 R+wh in alone
24 Apr light rain - 9:20 L+wh - R+O in alone.
25 Apr 6:07 saw "seep" from Pittos. 6:13
R+wh. in. 1:27 2 unb. in together.
28 R+O - L+wh in feeding at 11:06 - 11:09
Apr. 29 one feeding in oak, shakes limbs!
1 May 10:54 1 feeding in oak. 11:40 R+O
- L+wh & unb on line then to landing with
another unb. 4pm = R+W (?) & unb. in to feed.
4:09 1 feeding in oak (no E House Sparrows today)
2 May 11:21 R+O - L+wh was heard about this
am. along & with 2 unb. 11:25 on ledge -
tail up & briefly fluttered both wings - ? low
intensity. 11:26 1 feeding in oak. 11:52 unb.
on ledge brief headup, fluffedup. R+O - L+wh
on line - flew down together. 3:59 R+wh
on line 3' from R+O - L+wh & down unb.
R+wh did headup, fluffedup display then flew
into Pittos. R+O - L+wh did same & in & unb
flew down into apple tree.

Pipilo fuscus

4 May, del Norte St., Berkeley, Alameda Co., Calif
Rt+ob, unb. & Rt+O-Lt+ob in briefly all 3
fluffed up head up, minor wing flutter.
Flew N

6 May 2 in oaks - high at 8:46 Rt+O-Lt+ob/unb in
11:44 Rt+ob. in alone from N.

7 May 2:47 pm sunny Rt+ob & unb on line
brief whistling call, into feed then into oaks.
2:51 Rt+O - Lt+ob. foraging in oaks.

8 May 1:46 windy Rt+O-Lt+U in fence briefly
head up - only a gesture.

13 May 9:23 am 2 feeding in saint 1/4" puddles.
10:31 Rt+O-Lt+ob feeding alone. unb 1's alone
flew around. 11:25 Rt+ob in with 1 unb.

14 May 11:06 Rt+O-Lt+ob & unb on ledge both
partial head up, tail - 45°, flanks - side feathers
fluffed up, wings quivering at sides, several
times 1 closest to other head up, Rt+O-Lt+ob
flew over other (attempts to mount?), unb
flew to oak, immediately followed by Rt+O Lt+ob
Is this the first such display for this
pair?

15 May 9:12 am Rt+ob feeding alone.

16 May 9:49 Rt+O-Lt+ob in feeding alone, an unb.
has been in also.

17 May 8:30 Rt+ob & unb. in feeding. 8:34-1
on top utility pole at circle! 9:15 Rt+O-Lt+ob
feeding alone. 10:46 banded 1 Lt+Green
- flew S.

18 May ~~Friday~~ 9:10 Rt+ob in alone. 9:43 Rt+O-Lt+
ob. in alone.

19 May 9:23 1 top up at cedar! 3:51 - 1 to roof
then another, then 2 dove down with a lunging
e-e-e call, then Rt+O-Lt+U on line all lunged up

Pipilo fuscus

19 May, del Norte St., Berkeley, Alameda Co., California: can't tail up, all alert.

24 May Rt ad in alone at 3:24 making lots of simple 'peep' calls. 3:27 Rt ad in alone briefly no call (center of ledge) former bird N ledge

25 May 9:57 1 in tap up at cedar! There has been a marked drop in towhees seen! Are they incubating & silent?

27 May 9:13 Rt ad (no white band on rt. leg as of now) & unb - briefly head up & a short fe/fighting flight

28 May Rt ad & unb 1 feeding at 8:57 Rt. ad in earlier - thus I believe the landing shared by 2 pairs. 11:11 Rt ad & 2 unb feeding the 1 farthest away all fluffed up & tail up.

5 June 9:52 am 1 tap up at cedar!

6 June fog 9:08 Rt. ad & unb. 1 feeding; 1 alone call. 9:47 Rt ad in feeding alone. 11:48 unb 1 & Rt ad (plus 1 unb) in leg face to face flight-fight - both in head up & slim; tail up, quivering wings & extreme of body feathers fluffed up - dawn or taunting. it ended.

8 June 8 am 1 in parkyard making 'peep' calls as a cat.

10 June 10:03 Rt unb in alone. 10:27 Rt ad in alone

11 June 10:11 am 3 feeding; Rt ad & unb. 1 in flight flight; if returned, approached by another unb 1.

15 June 12:41 clear, 2 have been about oaks - 1 saw top of vertical branch of new growth looking about, not active foraging.

16 June 10:41 Rt ad & unb. feeding together, into oaks 3:50 2 red ♂, 2 ♀ at D-4.

20 June 10:26 am clear 1 to line, rather, clearing

Pipilo fuscus

20 June, del Norte St. Berkeley, Alameda Co., CA
then ad. female, which appears to be a juv., slightly streaked breast, very lax plumage, killed ad. flew low to S. 12:25 pm Rt O in alone. 6:36 Rt:O 3 times mantled an unb ♀(?) on line 7' from house.
21 June 8:57 Rt unb. in alone. 9:54 1 foraging in oak. 9:55 unb. 1 in pair ads with the juv. - are feeding.
22 June 10:06 Rt unb in with ♀ H.F.
24 June 11:33 am 1 foraging (3) about in lower dense part (S) of NW elm. 12:21 striped breasted juv. in feeding alone. 1:57 Rt unb. feeding alone. 2:03 juv. in feeding, shelling millet & several bites unb to eat shelling with feet. 2:30 2 ads. foraging in oak.
25 June 12:39 pm juv. in to feed. Then Rt unb.
27 June 2 times before 8:30 am with towhee chasing unmb j. 8:34 Rt. O in & to Pittos. 9:47 Rt:O & unb. 1 feeding & juv. grumb J. - no reaction between. unb. briefly tail up 2:41 juv. in to feed. 4:14 juv. in feeding.
29 June 12:20 pm juv in to feed
30 June 7 am ± an unb. 1 flew into window & was killed, no streaks on breast.
2 July Rt unb. in alone in early a.m. 9:53 new juv. in alone.
5 July 2:45 pm fog Rt O in feeding "cheap" call 3:58 juv. in from N.
6 July 9:53 am fog Rt O in feeding no call. 10:29 Rt unb in to feed. 11:18 juv in. Only one?
4:06 2 unb. in from Pittos via line.
7 July 2:23 pm fog, 2 unb. from NW elm, over Pittos to line, then in to feed.

Pipilo fuscus

9 July
11:59 am juv to line - have not seen more than 1 juv. two or three at one time!
3:36 pm 2 down from Pittos. to line then in - that new 'pair'. Rt. 0 in today.
16 July 10:39 Rt ad in; yesterday a pair of ads in; this a.m. a juv. looking a bit ragged.
19 July 8:43 am Rt ad in briefly.
20 July 10:53 am ad east Rt. 0 in done.
21 July 10:28 am Rt 0 in alone.
24 July 2:54 pm fog - Rt 0 in this am. now ad 2 feeding -
25 July 9:35 am Rt 0 & ads. 5 landing & another ads. on middle landing. Have seen no "behavior" in any for some time.
26 July 9:47 am clear Rt 0 in at 7:30 with ads. (mate?). again at present.
29 July 9:30 am - fog lifting up; 2 ads. feeding. 10:49 Rt 0 in alone. 1 pm 2 on edge of roof in back quivering wings & hopping about - one or both made a very low warbling call very similar to a scrub J's whisper song.
30 July 3:02 pm on line: ads. 1 feeding a juv. caudals - short tail, feathers edged with dull light gray esp. wings. brownish gray overall, streaks on breast etc. cloudy on line, yellow gape. Now on ledge 3:04 alone on N ledge sitting down - belly in sun
31 July 10:28 a juv in, then chased to Pittos by ad, then 3 to roof & Rt. 0 & ads to ledge from roof.

Davistown
1991

Pipilo fuscus

~~31 July~~ ~~Del Mar to Rockbeach, Alameda CA~~

1 Aug. 8:34 am fog. unk. ad. feeding juv. cowbird which flew by study to line - 9:20 Rt ads & juv. ob in again. the latter is starting to pick up seeds -- not frightened by hyperactive H.F. - it takes short steps. small head; longer than H.F. spends most of time on ledge.

2 Aug 7 am ± unk. / feeding the juv. cowbird which made very soft rasping call - no wing flutters. 9:15 Rt ads & unk / on line & in feeding. 3:03 unk / again feeding juv. cowbird - the call its making is a soft 'dun-n-n'

3 Aug fog 7 am unk. with juv. cowbird - which walks about - no begging & still makes very soft rasping call notes. 1:50 pm fog Rt ♂ & unk / in. Rt same body molt; tail = most latest & all 3/4" long now. 2:37 towhees have been foraging on & in canopy of live oaks this past week. Now Rt wh.

4 Aug 10:06 am fog Rt wh, unk / & juv C-6 in - its call is better called a 'chair' than a rasp. still begging.

5 Aug 8:07 am fog, juv. cowbird walking & calling to unk. 1. 8:54 juv. cowbird on line (with wavering head scratching) 2 ads in with whinnying call. then juv C-6 in & is feeding by self. 3:33 / flowering about on oak canopy. Rt ♂ in, in headgrease.

6 Aug 8:52 am fog. Wahad. & juv. C-6 which is still giving soft begging call.
11:07 Rt wh in.

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Pipilo fuscus

7 Aug., ad. Martin's Berdoo Canyon, Alameda Co., CA
8:20 am Fog c-b juv in with mob, calls.
9:03 mob. 1 fed juv. incessant calls and same using juvies - 9:36 an unb. ad. in 2 central tail feathers missing with 3/4" sheaths in place barely open at end.
12:10 c-b juv. begging furiously & being fed - by mob 1 ad.
8 Aug 8:40 am clearing juv. in feeding 1' from mob towhee - (3 days) & R+wh 4' away. c-b now making a 'cheap' call. Its getting more 'self-assured' not always so close to (T&) towhee.
10:12 R+wh & mob 1 in feeding close.
9 Aug 9:03 mob 1 in - a juv. the breast has fine, rather diffuse stripes on breast, etc; Gt. Soc. coverts buffy & a very slight supercilliary line.
10 Aug 10:30 am clear mob 1 in - heavy malt about head & body. Juv. C-b in also feeding by self. 10:57 R+wh in alone from N.
10 Aug 8:03 pm clear 1 mob & R+wh feeding alone
12 Aug 8:58 am fog R+O on line 5' from house, alone malt head more, less saggy. 9:01 R+wh in alone feeding.
14 Aug 9:40 am overcast. 1 juv in from Pittos
17 Aug. 10:35 am R+wh on N ledge, 'cheap' call noted
11:10 am R+O - & mob feeding. 1:44 juv in alone.
26 Aug 9:44 am fog R+O in: head & neck malt central tail complete; 2 lateral on each side of tail are 1" long. 10:31 R+wh feeding a juv. 12:19 R+wh & juv. again
27 Aug 9:20 am a rather dishevelled juv. in alone

Pitilo fuscus

27 Aug, adult at Pitilo Ridge Observation A 9:34 am Rt.O & sub 1 in - are they associated with juv - ? The sub. 1 flew to NW also.

31 Aug 4 feeding within 2-4' of each other at 9 am. including Rt sub - 2' shades.

3 Sept 10:35 Rt O on line to Ridge. 10:48 a (?) juv. heavy molt chest & head, new tail.

5 Sept 12:21 pm Rt sub in heavy molt

7 Sept. 7:09 Fog 2 sub in to feed from N Pitos earlier Rt O in. + molting juv.

10 Sept. 10:27 am Rt O & sub in.

13 Sept 9:22 Rt O in, no evident molt.

16 Sept 9:16 am Fog 3 sub in - all in molt neither heavily. Think 1 is in post-juvenile molt. - to & from Pitos. 10:13 Rt O in alone from S, no molt - nice plumage. now it is with an sub. collar has slight molt at nape & outer tail feathers.

17 Sept 9:29 am Rt. O in with sub 1. 9:36 1 in canopy of oak. 10:29 Rt sub & sub 1 in from N.

18 Sept 10:09 am Rt O in, no molt. 10:31 Rt sub in with some molt head-neck & lateral tail feathers.

20 Sept 9:20 Rt O & Rt sub in to feed this a.m. two not together! a molting juv ? also. 9:55 The molting ? juv. ran 6' along edge to N with piece of lunch (Dun) - dropped it, 'hit' off a piece 'chewed it' in till the picked up piece & flew into Pitos. 10:26 3 ads (no molt) flying loads & forth (including Rt O) in chase.

21 Sept 9:41 Gummy Rt O & sub on line from oak. Earlier 3 sub 1's in.

Pipilo fuscus

21 Sept., del Norte Co., Berkeley, Alameda Co., Calif
10:13 Rt wdb in from N flew N with bit of fluff.

23 Sept 9:02 am fog 3 feeding (all unb.) & all with heavy malt about head. 9:08 Rt O in - no malt.

25 Sept 8:48 am fog Rt O & unb 1 in, no malt at 7:10 am other pair from SE - no malt. both unbanded 9:15 2 malting, unb. ads in to feed - afw "cheeps"

27 Sept 9 am fog 2 feeding in canopy of oak - this is a cool time - a.c. must be too much for towhees. So what are they feeding on? "

1 Oct Rt wdb in at 9:27 afw "cheeps", malt about neck.

2 Oct 10:08 am. clear 3 (one is smaller - a juv.?; no stripes on breast nape) all nearly finished with malt - rough about nape on all 3. ap., & juv.?

6 Oct 6:28 pm Rt wdb afew light 'cheeps' to feed some malt at base of nape.

15 Oct 9:59 am clear Rt wdb in

18 Oct 9:23 unb 1 on ledge head up, bill gape 1/8", wings drooping, semi-erect. Ridiculous

22 Oct 10:20 am overcast Rt wdb in to feed

30 Oct 12:04 clear windy Rt wdb in

2 Nov 1 ± 3 dead 1 in fluffed up central F head up & flittering wings (? to another or self?)

25 Nov 3:06 Rt wdb & 1 unb. feeding heavens seen it lately.

2 Dec 10:48 am clear Rt wdb. in alone.

13 Dec 9:09 am clear, calm Rt adult & 1 wdb in on N. ledge another unb. 1 feeding.

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Pipilo fuscus

14 Dec, del Norte Co; Berkeley, Alameda Co CA
9:15 am hazy clear, calm, cold. 4 unb adults, in, very active.
17 Dec 9:23 am partclouds - R+unb on line alone earlier 3 unb. together in. 10:01 - an unb in feeding - the most lateral left tail feather is 1" long. is this a late juv?
19 Dec. 2 on line this a.m. close together. Now 1 in on ledge & feeding — has feathers on upper beak disarranged; then an unb. 1 & R+unb in at N ledge all at 10:10 So these 3 (plus 2 earlier so 5 about).
10:24 R+unb & unb 1 feeding again.
21 Dec 9:48 cirrus & wind. 1 unb & R+unb in.
29 Dec 10:13 am clouds. 2 on line 6-12" apart 1 in brief head up (low intensity); a 3rd is in feeding R+unb in alone earlier.
30 Dec 9:20 am pt. cl. on line, plus at least 1 other from roof into area 10' up to W 2 head to head flight-fight. 12:27 R+unb in with 1 unbanded 1 who fluffs up & brief head up display, now feeding. 2:38 R+unb & unb out of Pittos, very brief head-up 3" apart then to ledge.
15 Jan 92 9:26 R+unb in feeding with 2 G-cs.
27 Jan 9:18 R+unb & 1 unb on line then to landing, plus several other unb. 2:59 pm caught 1 in Egyptian trap = R+Red.
29 Jan 9:52 R+unb in with rain drops fog.
1 Feb 4:30 almost clear R+unb & 1 unb. in feeding
16 Feb 10:48 cloudy 2 unb. on line both do head up, wing flits & minor fluffing.
6 Mar 1:03 almost unb. alone on line - body fluffed up wings fluttering tail up - all alone

Pipilo fuscus

6 Mar., Hall's St. Berkeley, Alameda Co., Cal
continued then another landed 3' away & did a brief headup. First I flew to it & immediately mounted & attempted copulation. Both flew
14 Mar 10:52 am. Lighted in 1 6' from top of Nic elm. I flew E another house.
18 Mar 4:08 pm arrived 2 foraging in oak mow - among flowers & new leaves (all weeds).
23 Mar. 4:21 1 alone on ledge - fluffed up, head up wings out (no flutter) dropped - flew down.
24 Mar 2:24 pm dandy. Fast chases about neighborhood. At least 2 pair in front.
11 Apr 9:32 am arrived 1 foraging in heavy oak canopy; grass pulling from oak mow & flew 1 cm green caterpillar hanging by threads.
23 Apr 10:05 clear 2 imm. to oak & Rt'ed in feeding; first in awhile.
29 Apr 10:13 2 imm. in with brief headup - these fly across st. Then Rt'ed 1 imm I haven't seen lately.
2 May 10:16 am clear Rt'ed & imm 1 in
9 May 9:41 imm 1 on ledge tail down, semi fanned, slim headup. 7' away Rt'ed fluffed up, mincing steps in circle, mild headup.
12 May 8 am On line 25" from house ad feeding a juv.! 9:53 1 in feeding, another from low Nic to ledge a brief display lady ever tail up - headup fluffy feathers, wapped down to landing — 3" apart "whirling" call.
13 May about noon juv in feeding short tail

Christmas Pipilo fuscus
1992

13 May
4:12 juv. in mouth ad who fed it! 2 doves 4' away.
15 May 12:18 nasc 2 unb. JUV in mouth 2 unb. ads. both juvs. blue tails - 12:28 1 juv. begging from 1 unb. ad in a high, thin, tone what begging notes - open bill, no excited wing flips.
16 May 10:40 sunny 2 unb & 2 juvs have been in off & on this a.m. They fly into nab an begging ads to assess cr. Juvs a high "s-e-e" call - no begging
18 May There are 2 juvs. 1 has faint stripes on breast & only 1 or 2 feathers lt. side of tail. Other juv. no stripes on breast & full (?) tail.
27 May 11:40 R+ch. & unb together, soliciting call.
3 Jun. 12:44 sun/fog R+ch. in mouth unb 1.
4 Jun 11 am clear juv. with 1 or 2 st. tail feathers & 2" emerging feathers.
6 Jun. 10:30 am 2 juvs. stripes (subtle) on breast & sides wing bars & both starting tail replacement (i.e. -2")
1 pm another juv. (so three!) alone - 2" + new tail, 2 long tail feathers - the 1 absent for 2 weeks(?).
11 Juvs. 12:13 pm clear windy an attempted (?) copulation of 2 on line - 24" from nab.
23 June 2:54 1 alone in mead sings - warbling softly - wings vibrating not especially puffed up, head not up, tail is up, not cocked.
earlier I chased a juv. to crab [illegible]

26 June
4:20 am 2 on ledge 14" apart facing opposite directions, both wild heads & fluffed tails semi erect fanned both wings fluttering wings closer to each other higher (almost paradd to substitute) than outside (sleeping) no calls.
25 July pm found a dead 1 in back patio - cat ? - was not there yesterday.
5 Aug Fog 1 alert & methodically eating then leave each canopy at 10:24 - had to wait to see if, small bunch veggies 10:25 think J in there made 2 flying about at it - flew
6 Aug 9:33 am 2 about a jun was fed by ad 2 times - no begging by juv. 10:51 am 1 (ad ?) in heavy molt, 2 old outer tail feathers & 2" new medial ones.
7 Aug Fog, 10:15 juv on line - no molt, full tail, nutcrest upper wing coverts.
14 Aug 9:35 am Fog, ad - body molt & all medial tail feathers.
2 Sept 3:04 pm 1 ad feeding 4' away auatic ? ad molting - it gave a clear hard, almost warbling shout call & flicked wings.
3 Sept 9:38 am 1 foraging in oak canopy near top took 3 minutes to 1d.
9 Sept 10:43 am Fog 2 foraging in oak canopy
16 Oct 9:48 am clear 2 in, plips 1 some minor chasing & 1 of pr with a few wing flips.

7 Nov
9:11 am clear, 1 on ledge facing E, fluffed up, head up, bill open then another out of sight on landing flew to ledge 30" from former & fluttered wings i.e. closest to former bird then flew to Pittos. Of late — 3 in together 2 ad & 1 juv?

24 Nov 9:45 am awesome cloudy 4 in feeding together.

27 Jan 93 in off & on all day clear bright sun, 3:43 2 in then a fair chase into oak, other side: first territorial?

21 Mar 18:19 1 on top oak branch 5' from top feeding among new growth & hanging flakes - Oneonus agrif.

22 Mar 10:23 1 flew overhead/oak to across St., then followed by 1 from Pittos.

28 May 3 on ledge at 10:42 am calm & clouds. fluffed up, drooping wings & heads up - low intensity - 1 attempt at copulation.

5 June 1:33 scattered cumulonimbus, wind 1 on line tail dup another flew to it & hopped on heads - copulation. a 3rd absent also. 5 flew down to N.

8 June 10:04 clear ad & 1 juv. in feeding ad fed juv. on lear once.

10 June 10:06 am bits of fog. 4 ads on ledge, 1 flight flight & constant fluffed up, semi-head up display

14 Aug 2:42 1 trying to knock wings off an 1"+ tan moth (? from oaks).

15 July 94 2 juvs in and about 3 adults

6 July

11:10 am I heard a fracas of much calling in the large oak in backyard. Prominent was a harsh squawk similar to a jay's jeer. At least 2 buzztails were involved - feathers ruffled to an extreme & 15' up in canopy - and making "cheap" call (assistance cat is near a nest). Also a fox squirrel was running back and forth on limbs 3" ± - at first it appeared that towhees were harassing it. One of house finch pairs present a lot of activity & I couldn't see much. Then I saw what appeared to be a gangly imm. bird - may non descript. A mockingbird was also present.

I couldn't make out what was going on. Was the imm. bird a loud jay-like sound or an imm. mockingbird (presence of the adult)? Either would fit either.

15 Dec.
12:10 2 on ledge, each gave a semi-fluffed up, head up display, I gave only buzzing vocal display. Three have been in consistently.

22 Jan 95 4 in feeding at 1 time
16 June 12:27 pm clear 1 in with some 1/2" caterpillars in bill flew across rd.
29 June 11:12 am fog. 2 juvs. with ad. — low flight, 1 on landing.
10 July 9:50 am clear ad. feeding a juv. which was giving wings. At this time juv. is a P. f. but doesn't look as bright as some here (Mathews?)
12 July 10:30 am fog. Ad & juv. which still seems not quite right for a juv. Pipilo. The tail doesn't seem to be long enough, more pronounced stripes on head & stripe, pale, on ends of secondaries.
18 Apr 96 3:30 ± ♀ on ledge with bill full of what appears to be moths, flew S.
23 May 10 am clear: 2 ad & what appears to be 1 juv.
25 May 12:35 pm clear, hot to feed; 1 ad and 2 juvs. ad fed 1 juv. briefly, no begging or calls.
31 Aug 9 am Fog ad. feeding a ledge juv. no begging or calls.
6 May 97 10:18 am 2 or 3 near top of Nw Am in leafless branches 100 ± 1 up. This would be rare in winter, when tree is bare. No juvs. so far this yr.
17 June 10:41 fog - 2 feeding their ledge - both the head up, badly fluffed out & vibrating wing. only briefly wing up. Only variety seen display this spring.
31 July 9:10 am Fog 1 juv. good plumage, first seen

Christmas
98

Pipilo fuscus

21 Feb
2:45 have been face to face flight fights lately. I saw 2 (? ♂♂) fighting 8' up, then on ledge, head up display. Another one not participating
2 June 11:15 am fog. ad. fed a juv. on line. juv. much lighter brown. also for 2 weeks saw an ad. feeding at D-Q. which is a first here. also clearly 2 pairs - same fighting, etc. on landing
27 June 1 juv. - 1 darker good plumage, other dull, ragged plumage. 2 pair definitely
26 July 1:24 pm clear - a tailless 1 - is it molting (I doubt it) and/or a juv.?
6 Aug 3:12 pm clear 1 in feeding; 1" tail feathers
29 Aug 9:30 am part fog. 1 juv. on ledge (no wild) crouched, open bill, ad. fed it, corner of mouth not yellow - both flew N. Is this a new juv., I think so as others are molting
18 July 1999 part fog, 10:29 am a scrub jay flew to roof from SW, no call, then down to deck. Suddenly 2 towhees attacked it which flew low, 5 yards with towhees pursuing - "quak" 2"
20 July fog; 9:46 am juv. in (short tail, subtle stripe upper breast) fed by ad. First season.
29 July 10:20 am clear. ad feeding juv. again

Zonotrichia atricapilla

7 Jan. del Norte Sr. Berkeley, Alameda Co. CA
a ♂ & ♀ showed up on wire & immediately went down to feed first of this sp. in years! 4:46 pm and light rain

30 Oct 12:55 pm a ♀ (gold between stripes over - auricular of eyes) on ledge saw at 6'. There have been several of this type of sparrow in Nov. - high. at 8:30 am.

4 Oct. 7 am one (♀) in Pittos. watching a house finch in feeding. 8:27 am one on line near 2 brown towhees - then one of latter chased it into Pittos back at 10:35 am - on ledge tabbing in everything & watching me - back down feeding.

6 Oct. 10:45 am one in briefly, saw me & flew into Pittos.; later on line & flew N low. a very perky bird, trim & handsome - it came back again - lots of jerky changes of position - brown dark & brown stripe over eye not dark & just a hint of gold on fore head - a ♀ ?

3 Nov. 2 (♂ & ♀) under oak on ground in back yard.

10 Nov 4:42 pm high clouds one from roof to feed on landing - a juv plumage

20 Nov overcast a ♂ & a mandibiceps one at 3 pm.

22 Nov 9:22 am 2 in to feed on landing (came in yesterday) light rain. - one has streaks on crown, other same yellow - together with a towhee.

26 Nov one in at 3:09 clear, yellow forehead

21 Dec 11:36 am juv or ♀ type in briefly, only!

22 Dec 4:10 am " " feeding among dunes

1988-89 Zonotrichia atricapilla

25 Dec, del Norte St, Berkeley, Alameda Co, Cal. du Pal Alto at anne's house, a flock of 12-15 in roses & in fig tree & on lawn - came in as a flock and were joined by 2 ♂ & 1 ♀ Passer domesticus.

29 Dec 9:08 am ♀ type feeding with 2 Brtaches

30 Dec 1:21 pm ♀ feeding with 1 dove & 1 Br. towhee

6 Jan 3:39 pm a ♀ type feeding on a bit of bread a dove approached it - flew off with it.

12 Jan 3:08 pm a marsh dear ♀ type in feeding

20 Jan 4 pm 1 ♀ type feeding with 9 doves & Br tow

21 Jan 6:50 am. 3 feeding on landing - first birds in this am.

29 Jan 4:30 pm one ♀ type. with Br T. & doves.

31 Jan 4:35 2 ♀ or juvs feeding with 2 towhees.

2 Feb 7:02 & 9:01 2 ♀ types " " For Eg.

3 Feb 4:20 one packing a piece of fresh whole wheat bread. 2 in early a.m. in a light rain.

23 Feb 6:30 am first light, just past full moon. 3 in feeding. Saw no flew S.

2 Mar. 4:00 one in dusk - ♀ or imm.

14 Mar 9:01 2 with 4 or 5 house finches on branches of Pittos. (one looks like a ♂). on flew to ledge briefly.

19 Mar clearing after rain 9:30 am ♂ on 1/2" limb under cover in Pittos 25' up.

26 Mar 8:05 am one on landing was feeding - there is current molt! same gold.

28 Mar light rain - one in with house finches feeding on landing - they don't come to feeder

4 Apr 7:38 Sun is down - a ♂ (molt on crown) & female feeding on landing.

9 Apr 2 on back fence at 6 pm

Christmas
1989

Zonotrichia atricapilla

13 Oct., 444 Norte St., Berkeley, Alameda Co., CA
10:24 am one ♀ feeding with 2 doves
on landing sees me - flees into Pittos.
14 Oct 10:29 am - fog. ♀ feeding with 11 doves,
12:47 pm fog same with house finchs, 2 Ber-
towhees & five doves. a list "edgie".
21 Oct 9:19 am light rain. from W, one to top
of Pittos (15' up) for 15 sec. flew E.
27 Oct 9:56 am ♀ on line 5' from house
hopped up to ledge & in to feed with a
Br. towhee
28 Oct 10:51 am one ♀ from S to ledge, down
to feed. Don't go to feeder.
12 Nov 10:05 am fog and in with same
house finches & 9 doves. It has two
dull black malar stripes.
13 Nov 9:22 am drizzle; one on line 8'
from house - looks to be a ♀ but has a
suggestion of malar stripe at "angle of
jaw" & dark areas on "gold" chest.
breast is not spotted or striped.
20 Nov 8:28 am one in with 2 towhees to feed.
21 Nov 3:45 pm in with 2 towhees, house f, doves
25 Nov 9:42 am light rain - imm. on end
of Pittos limb Lincoln (obs) towhee & HF feed
5 Dec. 2:36 pm fog one (juv+) with juncos
feeding with doves.
6 Dec 6:50 am barely light - its in to feed
with one towhee!
7 Dec at 7:15 am 2 in feeding with a towhee.
14 Dec 3:33 pm one (same bird) in Pittos while
25 doves feeding.
23 Dec 3:20 pm doves coming in to feed & same
G-C in from N also, the malar stripe evident

1989-90 Zonotrichia atricapilla

1 Jan., del Norte St. Berkeley, alameda Co
3:40 pm light rain - 2 in to feed,
one ate at a piece of avocado/fat.
along with towhees & juncos.

5 Jan 3:47 pm sunny 7 in with juncos, towhees
& doves feeding. Crown band-spotted.

12 Jan 7 am one in with towhees feeding
flew off to SE between houses.

16 Jan scattered clouds. one in to feeder with
H. finches, doves & juncos. "Gold" is appearing
on crown -

19 Jan 11 am to ledge & landing to feed
with 2 towhees. The "gold" is restricted
to forehead - anterior to eyes; a little
small flecks of of brown from the area
- about ½" posterior.

21 Jan Maybe two, 11:33 am in feeding
with 4 juncos & towhees.

25 Jan 1 in with towhee & doves at first
light about 7 am

29 Jan 8:37 am visiting at least 2 in Pittos.

30 Jan 9:06 am after rain 2 in one larger
than other. They seem to shell the
small millet seeds.

31 Jan 2 pm overcast 3 in with towhees, juncos
& doves - one larger than others

7 Feb 7 am 2 in with doves feeding. 9:28
am 3 feeding.

8 Feb in from feeding & SEE Refuses sided
towhee dorsal.

10 Feb 4:53 pm 1, small (♀?) malar stripe prominent

13 Feb 3:30 one joined juncos to feed.

15 Feb 11:13 am overcast, 2 in to feed on landing
+ have never seen one at D-4 feeder

Zanotrichia atricapilla

16 Feb., del Norte St. Berkeley, Alameda Co., CA
9:30 am one with others feeding in rain
- doves, juncos, House finches There are 2!
Then another - so 3.

20 Feb. 3 feeding with 4 doves at 2:28 pm

24 Feb 10:26 am 2 feeding on landing.

25 Feb 10:23 am " " " 2?

1 Mar. 9:15 am 1 " " " ; +?

8 Mar 10:54 am 1 " " "

10 Mar 9:43 am - light rain 2 on exposed Pittos branches 10' N of house with same finches & 2 juncos.

18 Mar 9:13 a.m. 1 feeding with doves.

10 Apr 1 on ledge at NW at 9:07 with heavy malt on head. another briefly on branch near top of Pittos briefly. Have they been around & I haven't seen them.

11 Apr 9:29 am 1 on landing, head malt.

16 Apr 8:33 am 1 " " "

18 Apr 10:27 am. 1 on ledge, head up, alert perky - no head malt, nice 'gold' spot & 2 black stripes - 12:16 1, not same bird in malt - head & breast rugged.

19 Apr. 3:55 pm ♂ upright perky, crest feathers up gold, in to feed.

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1 Oct. Anne said she heard this sp. singing in her yard in Palo Alto

10 Oct 6:42 pm afternoon 1 (♂) on ledge - okay finish dawn to feed. First of year.

18 Oct. 9:07 am dandy ♂ & ♀ at NW corner of landing, shy, then into feed. 4:02 1 in feed

27 Oct 10:55 am 1 ♂ on landing + Dr. Towhee

7 Nov 4:35 pm 1 perched on vertical branch of Pittos. Doves feeding.

Christmas
1990-91

Zonotrichia atricapilla

14 Nov., del Norte St., Berkeley, Alameda Co., CA
9:35 am 1 (♀?) from noon to ledge perky, tail up – to landing to feed. 1 min. to line & Pittos. baby cheek, dull crown
10:15 am now 2 feeding both have streaked crowns & malar stripes; now another = 3
16 Nov 9:10 am overcast 2 in feeding.
17 Nov 10:34 am clear, calm 1 in with towhee.
19 Nov. 9:57 am 1 in to feed, cloudy. 10:29 am 1 ♂ ?+1 high in Pittos-40' up.
21 Nov 8:34 am overcast, 2 on line 8" apart & 3' from towhee. 1 ♀ & 1 ♂ (no streaks/crown)
24 Nov ♂ ♀ ♀ in Pittos at 3:08
25 Nov 10:46 several (2) feeding in rain with towhees.
26 Nov 9:34 am clear 2 in feeding with towhees
6 Dec 3:19 pm 2 in with 6 doves, shy
11 Dec. 2♀ 2♂ at 10:09 am with doves, towhees & H. finches. 4th feeding at 4:06
19 Dec 10:21 am cloudy sprinkles 2 feeding with a towhee (a ♂ & a ♀ in yesterday)
20 Dec 4:29 pm at least 1 with 15 doves & 1 towhee
24 Dec 4:21 pm 2 in with towhees & doves 1 less dull yellow crown, other brownish
11 Jan 1:19 pm overcast 1 ♂ on ledge.
29 Jan 4:14 pm 1 ♀ in to N ledge - very perky
1 Feb 3:25 1 ♀ in with towhees
2 Feb 12:26 pm no rain now; first a ♀ on ledge & down to feed, then a ♂, THEN another ♂ & ♀ so "2 pairs." 4:10 1 back in
15 Feb 3:26 overcast a ♂ in with a B-tP and doves.
17 Feb 4:33 pm sunny ♀ in, ♂ in Pittos; both feeding.
4 Apr 8 am clear, ♂ in to feed.

Zonotrichia atricapilla

15 Apr, del Norte Co, Berkeley/Alameda Co, CA
1:08 a ♂ with braad, bright golden crown on landing, down to feed
16 Apr 8:58 am flag ♂ on N ledge & down to feed
9:24 2 ♂♂ at N end of landing.
17 Apr 11:07 ♂ in to feed. These guys in new plumage
21 Apr 1:08 1 ♂ in to feed
25 Apr. 9:10 am 1 ♂ in to feed.
27 Apr 11:50 1 ♂ in to N ledge 2:02 in again.

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12 Oct. 9:50 am ♂ (goldcrown) in at N ledge.
14 Oct. 11:15 am ♂ on line & canne of kawa, very alert & hesitatant to feed.
16 Oct 6:14 pm dear ♂ in feeding +1 towhee
25 Oct 9:53 am overcast rain last night - 1 ♂ 7' pam bunch on line (20" from ♂ H. finch)
11:10 1 on landing feeding 25" from towhee.
3:41 in again has been light rain.
26 Oct 10:06 am overcast, light sprinkles - ♂ on line then ledge - lots of towhees & finches.
31 Oct 7 am 1 in to landing
8 Nov 2:40 pm cloudy 1 in with towhees & dove.
13 Nov 4:24 pm clear, calm 2 ♂? feeding/towhee
17 Nov 6:58 am light rain 3 feeding with doves & towhees just light feeding
20 Nov 6:36 am first light 1 this sp, 1 towhee
23 Nov 7:50 am clear 3 in with 15 doves.
30 Nov 10:46 am clear windy 1 in to feed alone
6 Dec 3:47 pm overcast 1 dull 1 in feeding
7 Dec 10:02 am clear after rain 1 in several times with towhees. to feed.
11 Dec 3:50 pm clear calm 1 in briefly with towhee
13 Dec 3:28 pm clear, breezy 1 in with a towhee bright spot above base of bill.
17 Dec 8:42 am partly cloudy 1 with 3 towhees

1991-92 Zonotrichia atricapilla

13 Dec, del Norte & Eucalyptus, Alameda Co
1 in at 10:11 am almost dark - rain earlier
19 Dec 10:25 am clear, calm 1 in at N ledge - all fluffed up & no calls or chasing - a ♀ as opposed to 1 seen yesterday. 3:38 ♂ feeding with 4 towhees
21 Dec 9:50 am high clouds & wind, 1 ♂ on line & in to feed with 1+ towhee. 10 am 2 ♂♂
23 Dec 10:01 am 1 ♂ in with towhees.
28 Dec 9:33 am brief shower, ♂ in with towhees
6 Jan one in feeding on landing with finche at 9:43 am overcast - a ♂. 4:59 in again
17 Jan 5:00 pm 1 in to feed - a ♂.
19 Jan 3:49 pm ♀ feeding Have heard no singing
20 Jan 9:53 am clear calm ♂ on line
22 Jan 3:45 pm C&C ♂ in to feed with towhees
24 Jan 11:55 am C&C ♀ in alone to feed.
27 Jan 11:29 am overcast, ♀ in to feed.
28 Jan 10:22 am partly cast ♂ in to feed.
30 Jan 9:20 ♀ on line. 10:42 ♀ perched near top of Pittos with towhees & doves feeding
17 Feb 10:30 am scattered clouds; 1 in briefly ?♀
7 Feb 4:14 pm overcast ♀ in to feed.
8 Feb 4:30 pm overcast 2 ♂♂ & 2 ♀♀ feeding
9 Feb 3:18 pm first sprinkles - 2 ♀♀ feeding.
14 Feb 10:33 am light rain ♀ & a ♂ ? feeding with doves & towhees.
18 Feb 9:25 am overcast ♂ in feeding - seems to be killing a piece of rain soaked crushed corn - towhees do this also. 4:47 ♂ in.
8 Mar 8:55 am ~~Have to feed frequently~~ ♂ 1 light in Pittos.
15 Mar 8:51 am overcast ♂ feeding with towhee
24 Mar 2:58 pm cloudy ♂ feeding alone

1992-93 Lanotricha titicapilla

26 Mar., del Norte Sr., Berkeley, Alameda Co., CA
9:37 am clear 1 ♂ N ledge, all on to pad.
4:22 ♂ in again
30 Mar 9:53 am overcast ♂ on line-
10 Apr 10 am ♂ in briefly. 11:21 in again.
11 Apr 9:19 am overcast ♂ in, flew to Pittos.
22 Apr 9:20 am buzzy ♂ in

12 Oct 10:17 am clear ♀ or juv. in feeding
13 Oct 10:33 same?; a small square of 'gold' on forehead - barely noticeable.
14 Oct overcast, 11:15 back again!
16 Oct 5:33 pm clear same! with doves
8 Nov 9:10 am overcast 2 in with doves perhaps a pair?
9 Nov 3:40 - clear 1 ♂ (?±) feeding with doves
11 Nov 10:07 am clear 1 ♂ in with towhees
17 Nov 12:08 pm clear ♀ in feeding.
18 Nov 12:34 " " " "
4 Dec 3:06 pm clear 2 in feeding with towhees & doves
8 Dec 1:19 pm light rain 2 feeding "
14 Dec 10:10 clear 1 feeding

5 Jan 93 12:27 overcast, cold, 1 ♂ in feeding
20 Jan 10 am, moderate rain - 1 in feeding
23 Jan 8:23 am clear 1 in feeding
25 Jan 10:51 am clear. seems to be a pair, one with bright 'golden-brown' - ♂ - was in Pittos on small limb.
27 Jan 9:45 am 2 in feeding with towhees & juncos!
6 Feb 9:51 ♂ in feeding alone
10 Feb 9:35 1 in with doves
12 Feb 4:27 ♀ in, doves, Fox Sp.
16 Feb 9:15 ♀ in & was every a.m.
19 Feb 3:13 pm ♀ feeding heavy rain & wind.

Christman 10

1993-94 Lonotrichia atricapilla

20 Feb
1 pm ♂ in to feed. 3:11 now 3 ♂♂!
27 Feb 10:40 2 in, don't see crowns, 1 is large
24 Mar 1:21 clear ♂ in briefly - shy.
15 Apr 9:59 am ♂ in alone.
5 Nov 9:18 am clear, 1 ♀ feeding on landing with 1 (+?) B. taubee
10 Nov 2:03 pm moderate rain - the ♀ on landing with 1 B. taubee. first seen since above. likes the rain - ?
11 Nov 3:51 pm clear, coal ♀ in feeding with doves arriving. it flew N.
18 Nov 10:03 am clear, 1 in feeding (♂ ?).
20 Dec 10:04 am spotty fog cold ♂ feeding.
26 Dec 4:0T has been nesting, 1 ♀ with doves
13 Jan 94 10± clear 1 ♂ in with taubees.
23 Jan 11:15 ar ♀ on ledge with juncos 3:10 1 ♀ in with 2 doves in bright sun. things wet.
31 Jan 9:17 clear, windy ♂ & ♀ feeding
19 Mar 9:58 am clear ♂ in alone, no doves.
20 Mar 10:38 am clear 2 ♂ in with taubees.
29 Mar 12 noon + 2 in; 1 a new ♂ with yellow wash on wings, white between, small yellow with few ♀ types - looks at 'other'!
19 Apr 8:46 am clear black stripped ♂ in.
28 Oct 11:05 am fog. ♀ in with doves, juncos
29 Oct 10:13 am clear ♂ in to feed with juncos
4 Nov 9:41 am clouds 2 in to feed w taubees
15 Nov 3:34 drizzle - 1 with juncos, doves
16 Nov 9:37 am clear 1 ♂ feeding with juncos
18 Nov 4:11 2 feeding with 20+ doves.
1 Dec 10:45 overcast 1 on line & is to feed 1 or 2 seen everyday. in first about
15 Dec 1:19 pm clouds - a ♂ & ♀ feeding every day

Zonotrichia albicap.

1 Jan.
10:59 am clouds. ♂ in cab, edge of canopy — gold spot & 2 stripes showing black.
5 Jan 10:39 clouds, ♂ in feeding. late
11 Jan Morris Tog 1 (♂?) in, not seen.
8 Mar 2:30 pm moderate rain/wind — 2 in feeding. These winter plumages — ad ♂, ♀?
10 Mar 2:13 light rain. yesterday 2 in seem to be a pair. Have a ♂ a good spot of pure 'gold' & evident mating into the 2 blacks stripes
12 Mar 3:03 pm overcast. a lone 1-legged ♂ in to feed. rumpled plumage. 6:45 same; 1 leg ♀ feeding.
13 Mar 11:02 am lite rain 1 leg back to feed.
4 Apr 6:10 am clear, cool — ♂ with black stripes in to feed.
13 Apr. 1:14 pm thunderheads ♂ black stripes, Crown
24 Mar 4:58 pm almost clear; 1 ♀ feeding
12 Dec 4:54 pm general hoo after heavy rain & wind getting dark: 1 in w/ 2 towhees &
8 Jan 96 10 am low fog — 1 ♂, 1 ♀ in feeding with several doves & juncos.
15 Feb 11 am overcast 1 ♀ in with doves & juncos
22 Feb 7 am cloud. 1 feeding alone
28 Feb 5:41 pm clouds (♀) 1 feeding w/ 6 doves
1 Apr 3:03 pm clouds, recent rain — a ♂ w/ black stripes & golden crown in to feed.
4 Apr 10 am clear, almost warm; 1 ad (black) ♂ in
29 Oct 9:37 am overcast after rain 1 ♂ in to feed with B.-T. dark stripes, good 'gold'.
2 Nov 6:30 am fog — 1 ♂ feeding with 3 doves
6 Jan 97 1:15 pm clear ? ♀ in feeding alone brown stripes, dull yellow crown.
25 Jan clouds, 11:05 am 1 (♀?) in to feed, peeking.

Thistown

'97 Zonotrichia atricapilla

16 Mar.
clouds after rain 11:05 am. 1♂ in moth several daves & juncos.
24 Oct 9:45 am clear/cirrus windy – 1♂ in moth 3 juncos & daves
25 Mar 1998 9 am cumulus / on line at corner of house. black stripe developing & rather ragged.
20 Oct. 10:31 am clear, / (cirrus ?) from N (Fitzroy to ledge. tiny bit of "gall" above bill.
4 Dec 3:29 pm cirrus, cold ♂ with perfect crown colour, eyes peep, is to feed.'
6 Apr '99 10:18 am clouds. 1♂ into feed, gold crown.
28 Oct. out bathroom window 8 am. clouds – which appeared to be this sp. on elderberry boards near blueberries – eating them. Tawhai z' away – up 16' up.

Christmas
1997-88

Junco hyemalis (Oregon) 1

20 Nov. Del Norte St, Berkeley, Alameda Co. Calif
1:20 pm clearing after brief storm
on landing, first of the season!
21 Nov 1:07 pm clear its back to feeding

25 Feb 1:32 pm a thin dull ♀ & a black
♂ in feeding on ledge - shy -
shelling millet, much bill work 2:32
♂ back feeding — in with dove.
26 Feb 10:26 am ♂ feeding on ledge. 1:33
pm on ledge — very soft calls — a "chip" and
a very muted warbling call. Feeding - husking
food - millet.
11 Nov ♂ in feeding with doves at 3:46 pm
12 Nov ♂ feeding with a towhee at 12:35
15 Nov 3:58 pm ♂ in to feed alone, heavy clouds
16 Nov. 9:49 am ♂ " " " " , light rain
20 Nov 11:14 am overcast 1 in Pittos with House finches
21 Nov 8:30 am " , 1 in to feed from Pittos.
1:28 pm one flying about Pittos., perching
on bare limb usually occupied by a
house finch.
27 Nov. 9:46 am ♂ in feeding alone.
28 Nov 9 am ♂ in feeding with towhees.
30 Nov 9:15 am ♂ in feeding, windy, weather, birds
2 Dec 3:09 pm one in to feed dark gray head
6 Dec 10:45 am one in feeding.
11 Dec 10:08 am " " " no one else about
12 Dec. 10:05 am " " " several times, alone
17 Dec 10:31 am " " " overcast sky.
22 Dec 12:59 pm " " " cloudy after rain.
23 Dec 9:03 am " " " alone; 9:10 it is
hopping about in Pittos. Only one junco?
11:36 am the junco ran 3' along the edge
so they can run as well as towhees.
30 Dec 1:45 pm looked up one on deck another flew

30 Dec., <u>del Norte Co., Berkeley, Alameda Co., Cal</u>
2:30 pm rain one in feeding; one perched in Pitts (seems slightly lighter gray head).
2:44 pm both feeding on landing - one (the lighter - very slightly) appears smaller - they are shelling the millet - in a moderate rain.
<u>3 Jan 89</u> 10:34 am 2 in feeding together. 12:26 pm the 9? get horizontal & <u>run</u> 15". they usually hop.
<u>6 Jan</u> two in feeding at 3 pm.
<u>13 Jan</u> 10:37 am 3 juncos in feeding
<u>18 Jan</u> 11:26 am 2 " " "
<u>25 Jan</u> 11:12 am 1 in with R. tauhea; have been in +
<u>27 Jan</u> 2:53 pm high clouds, 2 feeding, H.F. at feeder
<u>29 Jan</u> very consistent, 2, both early & late in day
<u>31 Jan</u> 2 in off & on after mid morning.
<u>6 Feb</u> 10:30 am one shelling millet with a R. tauhea. I don't think I've seen one on the feeder.
<u>10 Feb</u> has been in many day 1:20 pm cautious. One on edge of ledge looking skyward, turning head. Then dares to feed. In 2 minutes a large accipiter to N from E. - high.
<u>12 Feb</u> in to feed on floor of landing frequently.
<u>13 Feb</u> 9 am in feeding. 2:54 pm 2 feeding with R. tauhea
<u>21 Feb</u> 10:10 am one in — have been about many days
<u>26 Feb</u> 1 in at 8:19 am. Here every day. 12:50 pm one on perch nervously used by Hawaii finch, then in to feed — never at the feeder!
<u>4 Mar</u> 11:56 am one in feeding; slight rain
<u>12 Mar</u> 11:01 am one in feeding - clear.
<u>3 Nov. 89</u> 8:50 am one very tap of NW elm - from NE

Christmas
1989-90

Junco hyemalis

6 Nov del Norte St. Berkeley, Alameda Co., Calif
9:59 am one near top of UP st elm, flew to -3' in top of NW elm & then off to NE.
27 Nov. 10:45 am dear breezy one hopping about NW elm, S side near top, flew N.
1 Dec one flew into aab from N with several other small birds - hidden in canopy - 1:21 pm
5 Dec one on landing at 2:36 pm with doves and golden-crown sparrow fog
20 Dec one on landing briefly at 8:50 am.
9:50 am 3 feeding with 2 towhees.
1 Jan one into ledge to feed at 12:45 pm
1:34 pm rain - ± feeding, + 1. fly to P. thos and back. 2 pm 3 on landing, flew into aab where towhees and W. is hanging - they are under cover - can't see what they are doing.
2 Jan 9:04 am 2+ feeding, & towhees. were in aff & on all afternoon - very shy
3 Jan 10 am a very dull bl. headed one in to feed with doves.
5 Jan 10 - 5 in feeding with 1 Bl. towhee.
6 Jan 9:58 am at least 3 feeding with doves.
9 Jan 10:30 ± am 3 in feeding.
13 Jan. They have been in aff & all these days 1 + j total 3 on A.
15 Jan in feeding at 9:22 with doves. Haven't seen one at feeder. 10:53 am 5 = feeding, 2 dashed off. These are ground feeders which shell seeds & don't go to feeders.
19 Jan 10:52 am 2 in to feed. in to landing
25 Jan 10 am a ♂ & ♀ feeding have been every day
30 Jan 10 am 1 in feeding

Junco hyemalis

31 Jan., del Norte st. Berkeley, Alameda Co. Cal
9 am 2 into feed. They came in when no other spp. feeding.
8 Feb. one feeding at 9:37
13 Feb one in at 3:30 first of any for hours. Then a G-C in also
14 Feb 9:30 am windy, 2 came in after Nuttalls finches came in to D-4 feeder.
15 Feb 10:59 am 3 in to feed. One smaller gray headed, one large darker head but not black the other is intermediary.
16 Feb 9:30 am. rain Juncos, towhees & earlier before it was windy, doves are out in rain feeding on the line from house.
25 Feb 10:23 am at least 1 foraging in canopy of oaks - not as active as other warblers. Flashes branches almost as much as a towhee! Also at landing feeding. Have been almost every day
4 Mar 10 am cloudy 2 in feeding with towhees
8 Mar 2 about in a.m.
9 Mar 2 " 9 am with towhee, chickadee at feeder. what else do they eat
15 Mar 3:56 1 in feeding shelled millet?
16 Mar 9:35 in feeding -
17 Mar. 8:45 am " 2
18 Mar 9:16 am 3 "
19 Mar 11:03 1 in canopy of oaks fairly active on smaller branches. 1 feeding on landing earlier.
20 Mar 9:42 am 2 in Pittos. 3:47 pm have been watching a junco in oaks. No quick nervous movements, slow sedate methodical - it is picking something off leaf surfaces

Junco hyemalis

31 Jan., del Norte St., Berkeley, Alameda Co., Cal 9 am 2 into feed. They came in when no other spp. feeding.

8 Feb. one feeding at 9:37

13 Feb one in at 3:30 first of any for hours. Then a G-C in also

14 Feb 9:30 am windy, 2 came in after Nuttalls finches came in to D-4 feeder.

15 Feb 10:59 am 3 in to feed. One smaller gray headed, one large darker head but not black the other is intermediary.

16 Feb 9:30 am. rain Juncos, towhees & earlier before it was windy, doves are out in rain feeding on the line from house.

25 Feb 10:23 am at least 1 foraging in canopy of oaks - not as active as even towhees. Flashes branches almost as much as a towhee! Also at landing feeding. Have been seen almost every day

4 Mar 10 am cloudy 2 in feeding with towhees

8 Mar 2 about in a.m.

9 Mar 2 " 9 am with towhee, chickadee at feeder. what else do they eat shelled millet?

15 Mar 3:56 1 in feeding

16 Mar 9:35 in feeding -

17 Mar. 9:45 am " 2

18 Mar 9:16 am 3 "

19 Mar 11:03 1 in canopy of oaks fairly active on smaller branches. 1 feeding on landing earlier.

20 Mar 9:42 am 2 in Pittos. 3:47 pm have been watching a junco in oak. No quick nervous movements, slow sedate methodical - it is picking something off leaf surfaces

30 Jan
4:32 - 2 ♂♂ feeding with taverlee.
12 Feb 4 pm ♂ in briefly.
16 Feb 10:27 ♂ on line then in to feed.
20 Feb 2:52 ♂ on ledge
27 Feb 10:46 several in feeding, also high trilling call of 1 taw from Pitts
11 Mar 9:02 ♂ singing, ♂ in has been about last 2 weeks!
12 Mar 10:39 am hazy clear, dark grey head & black head so a pair in feeding
20 Mar clear 9:45 am 1 in feeding.
27 Mar 4:12 ♀ in overcast.
28 Mar. 2:36 ♂ in alone, scattered clouds.
6 Jan 94 9:43 pm 1 in to ledge from N taverlee checked it - flew N
18 Jan 3:42 pm clear 1 in feeding a dance
13 Jan 11:15 am after rain 3 in trial (grayback) to landing. Then a ♂ in, then another ♂, 2 ♀♀
27 Jan 9:36 am 18 in with dances.
12 Feb 10 am clear, a single ♂ in trial. sing
13 Feb 3:51 pm clear ♂ in
2 Mar 15:52 am ♂ on ledge, ♀ in cabin
14 Mar 9:43 mostly clear, ♂ in, no feeding
11 Oct 12:44 pm clear, coal for feeding
19 Oct 10:50 am clear cool 1 dd (♂) in to landing — then 2.
20 Oct 12:17 pm clear cool / has been in feeding on millet several times.
21 Oct 11:04 1 ♂ in with more coal towards
24 Oct 15:23 pm 1 clouds 1 back in to feed then total of 3
27 Oct 10:49 am mostly 3 in feeding in cage
29 Oct 10:31 am clear 5 in feeding.
1 Nov 12:20 light rain - 4 in feeding - were seen

6 Nov
2 pm clouds, no rain. 7 feeding — 3 have grayheads.
15 Nov leaving # every day 3:35 — 7 feed juvenile finches, doves & juncos
16 Nov 9:38 6 feeding 2 ♂, 1 juvenile ♂, bl. bib & grayhead.
29 Nov This year this sp. much more in evidence — flying to all nearby trees even rather high in Willow.
1 Dec 10:30 am all present & in feeding. They are 'in' every day.
30 Dec. 1:27 have at least 2 foraging in oak canopy, inside & middle on edges
21 Jan 95 11 am clouds 5 feeding at 1 time!
25 Feb 10:09 am clear 5 feeding.
28 Feb 10:38 am clouds — 6 in to feed — it looks like 3 ♂ & 3 ♀ (?)
6 Mar 15:34 clear, 2 ♂♂, 2 ♀♀ feeding.
8 Mar 1:11 pm bulk in rain 7 in feeding.
18 Oct. 11:48 am clear 1 ♂ on ledge Finch fold
23 Oct 12:13 pm clear — 2 in to feed.
30 Oct 9:28 am fog — a ♂ & ♀ feeding.
9 Nov 10 am 2 ♀ feeding. Fog / mist.
21 Nov 1:14 pm cloudy. at least 7 in feeding
6 Dec. 11:08 am cloudy. 6 + feeding.
29 Dec 4:15 pm light rain far as hr. now 4 to 7 feeding with a few doves — this is completely new: so many Juncos & how come I'm not here!
31 Dec 3 pm clear 5 ♂ & 2 ♀ feeding
9 Feb 96 10:45 am all present at least 8 now feeding. This sp. has been in feeding every day.
22 Feb 9:12 9 in feeding — the most 8

Christmas
96

Junco hyemalis

23 Oct
9:41 am assocs, 1 ♂ on ledge with 1 Dr. T.
24 Oct 9:15 am assocs, 2 feeding, dares, Br. T.
25 Oct 10:57 " 2 into feed
29 Oct 12:12 broken clouds after rain 4 at ledge
30 Nov clouds They have been in to feed consistantly - up to 7 at 1 time
30 Nov 10:am clouds - 2 near top of Nile dun.
7 Dec. 11:08 am clouds 7 feeding, 4♀ & 3♂♂
6 Oct 97 9:47 am clear 1 in to feed. ♀?
7 Oct 10:25 am clear, calm, cool. back again
17 Oct 10:31 am clear, a♂ & ♀ for past few days
24 Oct 9:42 am clear/cirrus Windy the ♂ & ♀ have been in to feed every day -
9:45 more 3 (2♂?)
25 Oct 10:40 clear Windy 3 in feeding.
30 Nov 10:31 am assocs after rain.
5 or 6 in feeding, rather frightly. 4 ♂♂
7 Dec 11:10 am fairly heavy rain at least 10 feeding in in 3/4" standing water!
9 Apr 98 This sp has been in to feed in ash & seeds & put out - there are between 7 & 10. Today with light rain - none gone up hill.
7 Oct. 10:25 am pr fog. 1 ♂ into feed first of season
9 Oct 12:28 pm clear 1 (♂?) " "
10 Oct. 12:34 clear, now 2! has been in earlier
19 Oct. 12:37 pm clear - 3 in, 1 vertical flight - flights & chases. 2p. in every day.
24 Oct 12:50 pm after rain. a loose flock of 6 or 7 to trees & in to feed for 15 min.

20 Oct 1999 clear 9:45 am 1 junco feeding/landing

Junco hyemalis

29 Oct
Juncos still around - 1 ♂
8 Nov 9:34 am faint cumulus - rain last night - max 2 - ♂ & ♀.
4 Dec. 10:48 am clear, light feeding
12 Feb 2000 10:33 am light rain. 8 feeding on landing, plus unknown # in trees.

Eastman
1987-88

Melospiza m.

21 Aug del Norte Co., Berkeley Alameda Co CA
10:45 a.m. clear cool One to landing
building itself very erect & leaping
about but not to feed. Uttered
a sharp, harsh "chip" call with
open bill, not too loud. Cautious
11 Sept have not seen lately
19 Sept noon clear one feeding first
in weeks shelling millet seeds.
3 Oct. have not seen since.
12 Oct (see journal yesterday.) a ♂ & a ♀
in feeding at 10:50 a.m. with 2 Dr
tracheas - cool - fog.
29 Oct. before 7 a.m. not really light
one feeding with a Br. Towhee
15 Dec. light rain & wind & 46° F One
showed up bright and perky on line to
ledge (doves feeding) first one seen
since 29 Oct.
31 Dec. 8:30 a.m. one in tangle in backyard fog
2 Jan. overcast, very light rain one feeding
with 3 doves at 1:08 pm (+ one B. towhee)
it jumped into a puddle to drink, ~~drinks~~
it shells seeds - millet. Bird is round
& fluffy, dark markings all over, rufous.
showed up again at 3:50 pm. (B. towhees)
4 Jan. 12:44 pm one in feeding with
doves in light rain it was in puddle also
6 Jan. 9 a.m. one feeding with towhees
12:45 pm back again.
10 Jan. 10:30 am heavy fog one in feeding
flew when I put out food, flew & sang
first song I've heard in front.
27 Jan flew in from SW to bird, perky, flew
when jay flew by - doves feeding

19 Mar., del Norte Co., Berkeley, Alameda Co, CA
1:10 pm feeding in Soab, much bill wiping with singing
26 Mar. Songs from front yard lately. not seen at feeder
29 Mar. 9:30 am one singing somewhere dist. 10:12 – from up street somewhere
30 Mar 6:55 am one in front yard singing on low branch of African Mesch 10'+ up
11 Apr. one singing to NW somewhere.
18 May 6:15 am one sang in front yard.
11 Aug. 1 in at 9:30 am along with 1 dove & house finches. It was plump, well colored no sign of molt, perky and not the sleek thin appearance as before Have heard no songs – or seen this sp. sing spring.
12 Aug 10:30 am fog, one on line 15' from landing hopped to ledge. A young house (?♂) hovered 30" above it. Came in to feed with dove & some H. Finches. Fluffed up a bit.
18 Aug one in with doves at 4:24 pm.
23 Aug 8:45 am one came in from P. Hts (low)
28 Apr 1990 Heard one sing in backyard
29 Apr 7:50 am one on line near P. Hts singing. Same at 9 am.

Christmas
1991

Carduelis tristis

8 Mar., del Norte St., Berkeley, Alameda Co. CA
in mild diurnal changes in direction
they returned to NW elm. mild gibbering
— in trees, constant changes of perches
Move into very top of NW elm — then
down to feed. 9:40 another mild
flight to S, but immediately turned
back to top of NW elm & then settle
down to feed. Today: about in varying
numbers all day. Lots of sudden flights as
if they were frightened tho down season
is it just the numbers, real flashy as
compared to before yesterday? Or
has an accipites really made them anxious
9 Mar 9:39 am daddy flew in, then about
50 came in. At least 75; also flying to W
elm from NW elm, then back again.
10 Mar 9:45 have been variable numbers of
15 to over 100. Several mass sudden
flights, circling & returns quite wildly
elastic maneuvers. 11:15 they are feeding
in rain — dawn pms & light. 12:28 pm lite
rain 1 (♀) flew from NW elm to area of D-4
hovered, didn't land, flew back to elm.
This is a good example of "inquisitive
opportunistic investigation" of what
other birds are doing. [11 Mar. many feeding]
12 Mar a.m. periodic light rain. Few
in today thus far. This may be due
to a morning-rain feeding frenzie
of up to 500 birds in the elms at 9:53
the elms are empty. 4:34 clouds scudding
sly to N — 20 into NW elm from W elm.
14 Mar a CADENZA of goldfinches

Westmeau
1991

Carduelis tristis

14 Mar., del Norte St., Berkeley, Alameda Co. Cal.
10 a.m. small groups coming & going, as yesterday also — 5 to 20 at a time. 2:43 all flew suddenly to w & returned 80-100 Same ♂ yellow except crown-neck, others yellow: flanks, rump, scapulars & lower back
16 Mar 1:34 pm a few as far to none in so far. 3:04 first big flock into up St. elms 50+
17 Mar 9:15 flock of 20+ in elms, then w. elm during light rain. 10:29 a.m. dove flies from line 15' from house to NW elm to a favorite horizontal branch over the street and a flock of 30 goldfinches flys en mass to S. a nervous bunch of little fellows.
19 Mar none seen in a.m. a small flock pm. 4:28 a flight low from up St elms around to NW elm - about 30. afterward great amount of milling around. 4:42 loose small group (~ 15) in elms.
19 Mar 20% clouds at 9:21 am about 20 in up St elms. The elms, especially NW elms have lost the green patina, now a bit duller & far fewer, not as lush.
20 Mar 9:36 am variable clouds. Lots in the elms The yellow ♂♂ are now obvious with naked eye.
21 Mar 9:23 am drove past the elms 1 block S, N & W. of "line as to Park" ½ mi S of here None of these elms have remained yet
22 Mar only periodic small numbers so far (2:23) today. Up St. elms are no longer green, but a dull tan.) about prior day
23 Mar. 10:13 am overhead 3 tops NW elm, flew SE

Kristman
1991

Carduelis tristis

28 Feb., Del Mar at Baldwin, Alameda, Calif.
1:53 2 high in Nw elm. landed high flew down & disappeared in samaras. Several small flocks - under 8 or 10 have come in - they can't see them well. 2:53 a flock going thru Nw elm - almost like a flock of birds - tits
2 Mar 10:05 am cloudy, occasional light showers
- as yesterday small (~10) flocks into all elms - then off again
3 Mar. 2:07 + from up st elms to top area of W elm between light showers. 2:30 overcast, no rain. 12 from W elm to up st elms.
5 Mar 9:31 2 flocks 10 ± each into up st elms. - high
6 Mar 8:50 am clear. This a.m. is the first day that goldfinches are in the elms in numbers. There is a constant (almost) flying into the trees, out of tree to tree. At anyone moment is flying to another clump of samaras. They seem to prefer the elm for it is just about fully in leaves in the fresh new growth. Also have finches in elms - usually within top 10'.
7 Mar 10:14 am numbers feeding - the vast majority are tan with yellow bits of yellow on wings. 1 all yellow (except wings).
8 Mar 8:40 am all this am the elms are literally alive & moving with goldfinches about 10 or so have over 50% of contour feathers yellow 9:31 all of the goldfinches took off suddenly - to 5; then circled - at least 50 - their flock flight is more erratic than max wings - individual

Christmas
1990-91

Carduelis tristis

5 Apr., Ed Watts's, Berkeley, Alameda Co., Cal
same about 8:30. Same fly off others disappear among the samaras.
11:12 am one chasing another, 2-5' among top branches of NW elm. Not many in tree now. 1:09 pm several have black foreheads & bright yellow-head, upper eyes & upper backs. They too are molting as hard-tails.
7 Apr 3:01 pm 9 into top of W part of NW elm
The samaras are tan or brown now — few off about earlier today. The other elms show little interest in producing samaras. Along my daily route 1 tree is in full leaf - elm, i.e.. The rest majority still bare! This includes both trimmed & non-trimmed trees. 4:15 no gf.
8 Apr 9:14 am 15-20 into 2nd elm, descended fast into top.
10 Apr. Last several days only one or two appeared in elms. none so far today.
11 Apr only 1 or 2 today (very dull color).
12 Apr 2:58 pm 1 partial yellow on branch of ash
16 Apr several this sp? came into elms & then flown off to S. Sure pretty close to a total samara failure

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28 Sept. into top of NW elm - goldfinch-sp? dullish yellow ventor; dark face; flesh colored finish bill - flew SE overhead.

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18 Feb 91 11:32 am 1 ♀ top NW elm near top
23 Feb 3:09 pm sunny 2 feeding on samaras W elm
26 Feb. So far if this sp. is 1 or 2's. 1:14 2 in top NW elm - yellow on head & scapulars.

Christmas
1991

Caducelis tristis

13 Mar., <u>del Norte St. Berkeley, Alameda Co., Cal.</u>
10:16 am car - 18± into top. elms. 11 am in W. elm, top 0', ~~abundance~~ many short flights & some nesting - they have just about cleared out the samara crop in this tree. 11:36 trees empty moderate rain, 10+ into W part of higher NW elm.
<u>25 Mar.</u> 12:47 almost all samaras on elms in area are gone & first leaves appearing. Only 2 small groups in so far today - both - 10. 1:55 - 5± in top & high in NW elm, windy. Now flying about in mid-section of tree
<u>26 Mar</u> cloudy 1:15 about 15 flew into top of NW elm They are down feeding the mat any green samaras - did have to check out other streets with elms.
<u>27 Mar.</u> 12:20 pm clear cool due thus far high as 2's & 3's. high. ~~not~~ samaras 95% GONE 4:15 still a few (-10) in NW elm).
<u>28 Mar</u> 8:53 fog. 15+ pass NE into tall sudden areas N. have been several about so far. 2:03 a fair number in NW elm - & are almost invisible until they move. ♂♂ almost entirely yellow now, standout noticeably. They were almost invisible when samaras were bright green & they were duller. 4:40 all day a few in trees & small flocks coming in.
<u>31 Mar</u> a few small flocks to elms & large flocks overhead high - did not land.
<u>2 Apr</u> 8:45 clear several, incl. yellow ♂ in top up St. elms - almost no samaras.
4:29 flock of 10 flew by; 2 in top up St. elm
<u>4 Apr</u> only several singletons in today.

Christmas
1991-92 Carduelis tristis

6 apr., Del Norte St., Berkeley, Alameda Co., CA
9:24 flock of 25-30 into top up St. elms from S.
9 apr 5 to top NW elm - flew N.
10 apr 12:28 pm 2 in oak, N side near line feeding among the leaves - one a dark yellow at anterior head. 4:33 from above a dozen in arabesques down into top of NW elm.
11 apr 3:13 2 from S mid section N elm, 1 a bright yellow ♂, no samaras, just leaves.

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12 Feb clouds 12:25 pm what looked like 1 - small, miserable dull color top NW elm for 30 sec. then to ledge & D-4 with H. finch & chickadee goldfinch - darkening & cold. hrs.
27 Feb 2:59 pm sunny 2 or 3 in NW elm with 1 green - heads G.
29 Feb a.m. overcast, flew to high parts of NW elm in 1's & 2's. green flames in mm. samaras present.
1 Mar 8 am flock of 10+ in top W. elm.
4 Mar 11:24 am since 9 am small groups into NW elm first, W elm second. largest no. 7 don't stick about - not enough ? samaras or not right stage of development.
7 May 10:34 am overcast. about a dozen feeding high on S. side NW elm. Suddenly flew erratically - hysterically high to SE, with gyrations. 3:39 have been isolated for apart singles in this p.m. 1 flock of 7.
12 Mar small numbers in NW elm. Thus far samaras are slow in appearing!
18 Mar 3:14 pm overcast ♂ to NW elm; yellow up to head

Christman
2000

cardudis tristis

16 Mar.
9:35 Olga small flock into NW elm -
4 or 5 bright yellow birds.
19 Mar. 2:39 pm Clear, breezy; 14 in top of up 25
elm - 1 yellow, no sanderas yet that I see

Christmas
1988-89 carduelis psaltria

4 Oct., Del Norte St., Berkeley, Alameda Co CA
10:14 am briefly a ♂ in good plumage in top of NW elm. Yellow vented, black cap & green back. alone.

15 Oct one in top of NW elm at 11:10 am dull olive slight lighter eye stripe - through/over eye, prominent wing bar, small, light area on ventral tail - flew W. the ♂ hummer bugged it close once - it paid no attention

25 Jan 89 2:10 pm high clouds. 2 in top of NW elm blackcap yellow chest & flanks. backs dull. flew

30 Jan 3:28 pm. clear & still. 3 (of this sp. ?) light is wrong - sing ab, bill ab, same yellow on one. into very top of elm near up the street. One flew at 3:30.

12 Feb 12:49 pm one from W, 15' above W. elms, sharp turn, landed 3' from top where some buds are open. Yellow & tan, no black cape, wing bars (white) & white edges to tertiaries. - ♀ ? didn't try flowers to eat, flew.

15 Feb noon, 3 small birds E to W; then one landed near top of W elm: it had a black cap, yellow vented & dull green back - C. psaltria flew W. - it did not closely examine the new flowers

20 Feb 1990 9:20 am. 5 in apple tree 12' from me: 3♂, 2♀ — males distinctive black cap, green back. first of the year.

12 Feb 1991 1:56 pm 1 near top of NW elm — bright yellow below & definite green above with extensive black cap. didn't fly down to opening squares. after 1 min. flew E.

15 Feb 1:12 pm arrived 2 into top NW elm - bright yellow breast - throat, large Bl. cap darker - they flew E together didn't see them feed

Christmas
1992

Carduelis psaltria

27 Feb
♂ in Wrelus at 7:59 dark back, bright yellow breast, bl cap
28 Feby 10:45 am clear – 2 on top of cypress branch of each, then 1 to landing – sing ab dull yellow green breast-belly, dull tan-green back – juvs ?
14 Mar. 98 12:08 pm clear – 1 ♂ with dark back, black face & brilliant yellow breast alone on S. side of Wrelus near end of branch 80' up near same branches
16 Mar 9:10 am 1 ♂ bright yellow in pine tops

Christman
1988

Melospiza mel.

28 Jan., del Norte Co.; Berkeley, Alameda Co., Cal.
1:12 pm dayly appeared briefly on landing, then into Pittosporum.
2:55 pm out of shade & on deck to feed.
29 Jan. 8:30 light rain Song Sparrow song
30 Jan 10:53 am out of Pittosporum onto line - looked about back into " in 30 sec back on line to ledge & feeding.
1 Feb. 8 am ± one on landing with dove feeding. back feeding with doves & Br T. at 10:30 pm hops feet. 4:14 pm one in briefly among 6+ feeding doves.
2 Feb 4:00 pm one in feeding, hopped about in puddle of water & ate body of a moth
3 Feb 9:40 am two feeding with a Fox Sparrow 3:40 pm 1 feeding with 8 doves - in water to

9 Feb 4:02 pm ♂ & ♀ in top of Mt elm - have been there practically every day now 4 — 2 - 3' away 2 more a ♂ flew down 15' in same tree & fed on elm flowers - ?; then flew to elm across the st. this is Carpodacus ascent

10 Feb 12:10 pm one feeding on landing
11 Feb 11 am briefly in feeding
13 Feb 8 a.m. " " "
16 Feb 8:a.m. singing in backyard
17 Feb 1:01 pm " in Pittosporum seeds after 1:14 pm one into feed, shucks & stick to bill.
26 Feb 10:25 am one singing. 11:10 am one in feeding on ledge.
1 Mar 9 am one in feeding & singing in Pittos.
4 Mar 9:33 am 2 in feeding - singing earlier
18 Mar. 6 am one singing in front.
19 Mar. 10:27 am - singing in backyard

campodaus
medianus

House
finch
29 Apr 88

typical
profile -
flat top

Christmas
1991-92

Passerella ilica

16 Feb. del Monte Fl, Berkeley, Alameda Co CA
4:26 all ears, say unfamiliar bird on branch of Pittos - Juncos — the first Fox Sparrow I have ever seen here - it flew to landing
2 Jan 92 3:19 / from N to N ledge & down to feed with towhees.

Christmas
1990

Zonotrichia leucophrys *

11 Apr. del Norte St. Berkeley, Alameda Co., Cal
1:23 pm saw branches move, in dense foliage, finally got 2 good looks at a ♂ with bl-white head stripes - first for this sp. in several years.
23 Nov. 7:50 am 3 golden-crowns in feeding with doves, then a new one stripes on side of head, but not white a tan with a distinct white throat!
* Z. albicollis.
7 Dec 4:58 after sunset - its in to feed! Sure

Christmas
1989

Phenacticus melanocephalus 1

17 Aug del Norte St., Berkeley, Alameda Co., Calif
1:20 pm a ♂ foraging about in canopy of oak 6', dist. from top of tree. Ragged about & quiet - a good view. Not especially adroit in hopping about also later, in flies across St & NW also — then ♀ joined ♂ mid tree. 1:48 ♂ about 3/16-¼" branches picked off an insect & hopped 6' & fed the ♀ like bird does it a juv. the submalar stripe white & broad.

19 Aug 1990 a ♀ (?) orange breast & stripes on line 30" from 3 dates — seems to be watching house finches feeding - white superciliary line, black crown. 3:55 flew off — was here 5 minutes.

3 Aug 1991 12:30 ± pm. Fog. ♀ in the Linden tree in front 15' up among leaves; then 1 singing in back.

Thuistman
1988-89 Pheucticus melanocephalus

9 May, del Norte St., Berkeley, Alameda Co, calif
8:30 am heard one singing in backyard
24 Aug. 11:50 am clear — "ju - ek" a clear call. — ♀ in cedar, then on line over the appletree - flew down.
12 May 89 hazy clear - heard a song of this sp. but couldn't see it — in the elms at 10:30 am.
28 Apr. 1990 - 10:45 what sounded like this sp. 2 or 3 songs - loud. Nearly
14 Aug 10:33 am ♀ in lower branches of cedar
21 Aug 91 2:45 pm clear, on line 6' from NW corner, hopped to ledge then down & is tentatively feeding with huge finches appeared to be fine dark head stripes on head, ashish breast, & plain. investigating — even the squirrel crept!
9 Apr. '92 1:05 pm light rain / high & on line 3' from house - no call, etc flew into Pittosp
13 May 10:37 am partclouds - ♀ flew in from N to 3' from top of pine tree - looked about - flew low to S,

Huistman
1990 Molothrus ater

23 apr. del Norte St. Berkeley Alameda Co. Ca
10:12 am 1 on line 20' (NE) from utility pole across st. Both are light brown, lighter heads, no streaks on head or breast. Also, both were doing a head up display - 9-10" apart over street (45'+ up). Then both flew to lower branches of NW elm on SE side 15' from the line. They hopped about 15-25" apart & continued head up display.

24 May four SE at 8:07 am & into top of up str cedar. Head up & wing spread display - looks like all ♂♂.

10 June am. This morning notice a smaller black bird (smaller than Brewer's Blackb.) in top up str cedar, near cedar & flying around. This sp.?

11 June 8:47 am 2 from 5 circled over elms & descended to S. This sp.? These are not starlings - their flight pattern very different in that its not as direct a flight as starling & no fluttering sailing. 10:30 am 2 ♂♂ on line at the circle, head up display, flew N.

12 June 9:02 am 2 ♂ top up st. cedar; 1 flew NW other E. They have been flying about neighborhood. No displays - volume on ♀♀. 11:40 1 in top of up st cedar - a ♂

25 June 9:42 am. 1 ♂ ? top up st cedar - top

26 June 9:43 am 1 ♂ ? " " " " . short bill 10:34 am back again.

27 June 11:08 am 1 top up st cedar. 11:29 still there, moved 3'. Black, short bill. 11:32 flew to 3' from top of utility pole as circle

2 July ad ♂ ♀ Berkeley, Alameda Co. Calif
8:15 am 2 tap up sr cedar. ♂♂

6 July 9:42 am clear, ♂ tap up sr cedar.

11 July 8:07 am 1 ♂ tap & up sr cedar. clear.

19 May 1991 10:25 am many ♀ in tap & up sr cedar; 2 ♂ head & tail up display other 2 ? several hours. flew off.

23 May 10:32 am 1 tap & up sr cedar. ♂

27 May 8:47 am 1 tap up sr cedar ♂ briefly.

31 May 8:28 am 1 tap up sr cedar briefly, ♂.

30 July juv. see Pipilo fuscus this data, &

1 Aug " " " " " "

6 Aug 11:06 am the juv. in several times this a.m. flew in alone, walked about ledge & briefly stood erect head up. This is new formerly was close to (?) unk. B. cowbird, body hunched up - no neck & parallel to substrate. It is feeding on millet, etc.

9 Aug impressions on juv. with unk. cowbird. It walks about like a starling, i.e. purposeful strides 6:13 juv. c-b on line (no cowbird in sight) 4' from HF, it hopped 16" up line & at H.F. flew off.

10 Aug 8:19 pm fog c-b juv. in alone feeding.

12 Aug 11 am cowbirds in today, unless juv. c-b.

25 Apr 1992 - 11:19 what looks like black ♂ on top of utility pole at circle.

29 Apr 10:37 am clear overhead 1 ♂ top up sr cedar.

3 May 10:19 am several house finches feeding - then a ♀ flew in over cab to ledge & down to eagerly feed. Light tan head, nape dark dull rest. Gone w/ ♀ flew.

6 May 11:09 over cab ♀ in again, brief 'head-up'

10 May 10:14 am ♂ top utility pole at circle.

1 Jun. 9:30 am Fog a dark brown 1 in feeding w/ house sparrows, no streaks, also in briefly yesterday

Melothrus ales

Ellis Ave
1992-93

1 Jun., Oakland, Berkeley, Alameda CA
10:51 adult on line briefly 10:52 back with pale spanners & bare finishes about - flew to lower limb of near cedar then down & feeding briefly.

11 Jun 10:16 am clear ♂ from up at cedar to lodge & feeding from with bare finishes & spanners, etc.

21 June 10:22 am dimant, ♂ on ledge briefly - skyrocket if saw me more, flew to...

19 June 93 11:28 am clear ♀ on line adjacent to oak - flew into oak, dulled missing of area - miffam dark brown

13 July 10:21 am clear hair a dull brown bird walking about feeding area no prominent markings, bill longer than tarsus. A ♀ of this sp.? prominent is its bald, rotting, sleek appearance.

2 May 97 10:10 am thin circus ♀ to D-4, & on landing.

16 May 10:43 am clear ♀ tall - thin on line at hairs looking about, flew S. no call.

25 May 11:15 a.m. circus a hard, harsh, stressed rattle call — ♀ feeding with 2 dares.

17 July 1998 2:21 pm clear what appears to be a ♀ on line 8' from house, 7' from oak. actively looking about turning head; 30 sec. flew off — ?

29 Apr. 2000 10:01 am clear; 10' on cedar branch 50' up, no call, looking about.

8 May 10:14 am overcast after rain. 1 ♀ feeding on landing with 2 brown towhees.

Thrasher
1988-91 Icterus bullockii

4 Aug del Norte St., Berkeley, Alameda Co., Calif noon heard call & saw 2 in oak in back yard on small branches within canopy.

8 Apr 91 10 am in Palo Alto heard & saw 2 !

Christmas
1991-92-93

Carduelis pinus

8 Mar.
8:27 am at least 1 feeding on samaras near tap NW dun. stripes on sides; sing like taps of dun alder with goldfinches
23 Nov. 92 2 feeding on landing under D-4 no yellow on wings speckled backs, small-
27 Jan 93 7 in with house finches at 9:30
29 Jan 2:38 pm clear 2 at D-4 shelby millet? 1 has yellow wing bar. They stayed 5 min. 3:34 1 at D-4 with Black Sun fl. seed. 3:40 2 or 3 house finches & 1 chickadee also Siskin not replaced!
30 Jan clear windy, 2:12 1 on landing with house finches.
7 Feb 3:41 1 at D-4; house finch flew at it & it flashed wings at it- yellow ventral! Apparently only takes small black sunfl. seeds.
9 Feb 11:05 1 feeding with 2 House finches light rain
10 Feb 9:35 1 at D-4 chased " "
12:18 1 on landing alone & into Pittos.

Anas platyrhynchos
1997

Carpodacus m 1.

CA

11 Aug. del Norte St, Berkeley, Alameda Co.
4:45 pm one ♂ flew into ledge, saw me, no feeding, called & flew - red was dull orange-red. - rump was prominent colored dark coloration but no obvious molt.

17 Aug. 3 juv. with filoplumes on head came in at 4:30 p.m. would not approach doves - 10 m. later one came in & feeding 6" from doves - 7 ad ♂

29 Aug 11:30 a.m. Natural pics feeding with known towhee & doves.

30 Aug 2 juvs. feeding with 3 m. doves and one known towhee; cautious

19 Sept 11:45 am Clear, cool. I have noticed that one to 4 or 5 have been perching in the top 1/4" diam limbs of a elm up the street - 75-80' up. They just perch - haven't seen them feed there & not that many from there to feeding ledge. no singing, the same cheeps! The use of high perches? They are singing but not the characteristic song of the breeding season its a quiet almost warbling one. Also the red of the plumage is very much subdued.

23 Sept 4:10 p.m. fog - 2 ♂, 1 ♀ feeding with 2 doves & one Bl. To. Then (c.m.) are flighty.

26 Sept 10:45 a.m. clear, cool at least 6 in top of 1/2 have been calling, much flying off & flying in. Some hopping about on the limbs.

Christmas
1987-88

26 Sept, del Norte St., Berkeley, Alameda Co., Calif
continued - 6± flew into P. Platyrhynchum 10' N of landing & flew into feed - some flew directly to the bird feeders to the ledge - they are extremely cautious, frighty. Ones in tree continuously "cheeping" - both ♂ & ♀.

27 Sept 1:30 clear cool. Same in elms besides chirps, etc. they have a song though not the lilting, melodious one of the breeding season.

2 Oct. 12:26 pm clear cool - ♂ singing in Platanus - but not the lilting breeding song. Some warbling & marks in a variety of "chirps"

6 Oct increasing clouds, breeze after last day - 3 ♂ flew in "from high" & landed in bare top of bare branches of elms - a few more chattering.

7 Oct a ♂ feeding at ledge with Brown Tah. also ♀ & a deer.

29 Oct 4:30 pm cloudy 2 in top of elm ♂, ♂

31 Oct 9:41 am 4 in top of elm their favorite perch

11 Nov. 10:15 am clear, a pair in top of cedar up street. Later in top of elm They seem to like to remain high when resting.

21 Nov. 10:12 am clear 10 in top of elm NW up street.

7 Dec 4 in top of Elm NW - first time seen in some time

11 Dec. not seen lately -

8 Jan 2 in top of elm at noon - same old perch.

10 Jan 3:25 pm 2 in top of elm, sound sun.

13 Jan 11 a.m. a ♂ & a ♀ on horizontal branch of cedar topping about

13 Jan., del Norte St., Berkeley, alameda Co. Calif
♀ in top of elm to W.

15 Jan noon, cloudy, 1 ♂ in top of elm to NW.

21 Jan 4:15 pm highlands; 2 in favorite elm - on top.
4:30 pm 2 in top of SW elm; on eating buds.
of the elm tree - a first time observation

22 Jan. 3:11 pm one in top of NW elm. ? ♂. 4:30 two
robins & 4 finches the the elm.

23 Jan. 9:50 a.m. 2 feeding at feeder on peals
hang at house 70 upls NW - house on Los
Angeles St. Has been there some time.
10:35 am a ♂ & a ♀ perched in top of the
NW elm, in the sun.

30 Jan 11:38 am 2 ♂ in top of NW elm
also one flying high & lazily dove down to the
same tree briefly then on. 11:57 am two
more - ♀ is feeding on new elm buds!

17 Feb 1:50 pm ♀ in very top of NW elm; ♂ on N side
lower & among branches eating new budding
growth & appears to be wiping its bill.
4:37 pm 3 high in elm (at least 1 a ♂) in bright
afternoon sun.

27 Feb. 2 in top of NW elm - flew off at 4:50
4:50 2 are again up there.

9 Feb. see Song Sparrow account
4:10 pm - feeding with no avidity
jumps about, a peck here & there, the
2nd 2 birds still in top of NW elm

10 Feb clear 4:58 pm one singing in NW elm
5:05 pm again ♂ feeding on elm apen buds - high

13 Feb 9:55 am a ♂ in top of NW elm. ♀ was
a ♀ in elm to W earlier.

17 Feb 3:15 pm in bright sun in top of NW elm ♂
bright brassy yellow pink, lighter in hue &
value - singing a little.

Christmas
1968

Carpodacus mex

4

21 Feb., del Norte St., Berkeley, Alameda Co., Calif.
12:35 pm a ♂ & a ♀ eating elm fruits in top of elm across st. they are about 15" apart
1:53 pm 4 came into tops of elm up street, then left.
This species seems to be wandering about also, but in pairs + or such small groups.

22 Feb 4:01 pm 20♂, 1♀ feeding on elm "flowers" the ♂ are very dull off red. one chases other.

25 Feb. ♀ & ♂ into hedge area with juncos, then towhees - jays scared them to Pittos.. ♂ chirping loudly from Pittos- flew into oak - a first time, perched together on 2 up. vertical new growth stem on edge of canopy.

26 Feb. 12:31 pm ♂ & ♀ feeding in W elm with gold finches. 1:54 pm Lots of singing from the NW. 4:40 are in top of NW elm.

1 Mar 9:30 am 10 ± in NW elm with lots numbers of goldfinches.

4 Mar. noon one in top of NW elm with a large flock of goldfinches - it flew with them as they flocked en mass. This sp. association seems quite incidental to the goldfinches. I have heard some H. finch singing (earlier this a.m.) and am not 100% certain about the goldfinch singing — I could have heard an atypical H. finch & I didn't see the bird singing.

5 Mar. 12:50 pm — no action at the new hanging feed outside the bedroom. So I put the House Finch model on perch at the sunflower side - it facing SW-NW

12 Mar., del norte St., Berkeley, Alameda Co., Calif
5:18 pm clear, 2 (♂,♀) in top of NW elm with robin
18 Mar 8:30 am a ♂ & ♀ briefly in top of NW elm — ♀ flew to area of take feeder at house on Los Angeles St. which has been empty for weeks. — male flew 2:18 pm one chirping & singing. "Qu+" ♂ in Pittos. watching feeder & ♂ House finds model beaked about for 3 min. Then flew to lower pond with "mild liquid mix" & feed until 2:31 — it was at first cautious — made self slim & peered about. feeder didn't moving & started feeding avidly — 3-5 sec. to shell the millet seeds. Flew down into mid section of Pittos. This was first time dive seen one came into this feeder. — will remove model tonight. The only call it gave here feeding was the 2 part 2u-it, 2ue-t or whatever. call.
2:36 one singing to NE. The note given by Hoffman: "wheat" din at my chair & desk - feeder is 5-6' to NW out the window
19 Mar. 6:30 a.m. ± clear, awakened with a song of one at new feeder 4' from my head. One singing in front yard in a.m. about 10:a.m + and -. Model removed 12:09 pm a lot of singing from the Pittos. Then ♂ to feeder & gabbled down millet (a slim bird, bright red on side of crown forehead & throat; a banana at crop area — is it molting? Then flew back to Pittos.
21 Mar. a ♂ & ♀ coming into new landing feeder rather consistantly with much chirping & calling. Tis the season for this sp. to sing

21 Mar., del Norte Ct., Berkeley, Alameda Co, CA see Chisbadee acct. The ♂ is cautious & can hear limb of Pittos (from NW) sing several times (molting on chest. Is feeder at 1:37 pm. picks up seeds bills them to bush & back for more ♀ joined & chased ♂ away from top perch & is now feeding ♀ = "Chur-ib", & "Gee-it"

22 Mar 4:15 pm a ♂ (a different one - orange not red & no molting on upper breast) flew from Pittos, twice, tattoo shy to land on the hanging feeder - flew about it. Then on ledge & then to floor to eat. One singing to N at 4:24 pm the "orange" ♂ flew from N to very top of oak & tentatively pecking at new leaves. Fox Squirrel feeding 8' away 4:26 ♂ joined by a ♀. Now another ♂! 3 in top of oak - most flowers are gone now, can't see any. Chas 2' flights to ends of other branches - all are on edge of canopy - not in the canopy. 4:29 2 flew N. The oak to N is the center of House finch activity.

4:43 pm ♂ in top of N Elm, with 4 or 5 gold-finches below it. One singing out there.

4:47 pm original ♂ in Pittos. 5. silent, bare limb singing & looking over the hanging feeder - flew among 4 doves feeding

23 Mar. 4:15 pm pair flew around feeder - then to bare limb in Pittos. doves (2) in feeding - joined by ♂ & ♀ this sp.

24 Mar 8:07 am a ♂ & ♀ into top of W elm from the SE. 9:52 am lone male singing in top of W elm.

25 Mar, 11:21 am. an extremely red ♂ in top of W elm - peering about. Clear, quiet day

25 Mar., Del Norte S.V., Berkeley, Alameda Co., CA
1 pm ♀ to ledge from followed by ♂ (the one molting) both cautious & standing tall & skinny. The ♀ came in to feed first.

29 Mar. 9:33 am for 2nd time this a.m. a pair in top of NW elm. They seem to have taken over the role of robins in perching high & flying high. 9:54 am a dull red ♂ to bare perch in Pittos with a ♀ below. still windy. They are sticking to their perches even when heavy wind gusts blow branches about. 10:19 still in tree - have not come in to feed. = both of them on bare branches 25' up, ¼" branches, S side of Pittos

29 Mar 10:29 am a ♂ flew over turned & lit in top of NW elm. Is this the same ~~as who was feeding on landing etc~~ - ~~Is it the~~ ~~which separated~~ & it is singing at 10:30 = a song perch - 11:32 am ♂ on bare branch of Pittos. Singing

30 Mar. 9:41 am ♂ singing on bare branch of Pittos 8' from landing. - molting on breast. windy - the branch & tree is tossed about. up right body & head as singing, bill open a bit & throat feathers separated & bulging - bill - head axis - ♂ flew down & is feeding with 2 doves. 11:03 am 1♂ briefly in top of NW elm - sang, flew N.

31 Mar 12:34 pm ♂ (molting breast) in to feed quiet cheeps to self - very hesitant to feed head at 30° angle - hopped down from ledge. feed for about 4 minutes.

1 Apr. 10:40 am a ♂ (breast molt) for 15+ minutes in top of NW elm - no ♀ singing

1 apr., dld Yosita 2f., Berkeley, Alameda Co, Cal
10:42 am ♂ (same) singing on same branch in Pittos. flew down to feed, joined by ♀. 10:48 am ♂♀ back to live & ledge — after a dance came in concert: once other birds, same sp. or not come into feed others come in. Learning by observation: it is safe, "they are eating." flew at 10:56 am
2 apr 11:32 am one singing to NW. 1:46 pm ♀ on ledge calling, ♂ arrived in Pittos. then down 10" from her. (molting ♂) many short soft notes when went down to feed. 4:06 ♂ singing in Pittos. 4:35 ♀ on ledge — crown up, rather dumpy-looking but perk, into Pittos, back to wire with ♂ (molting upper breast - rt side) - new feathers bright - almost a vermillion. ♂ in feeding ♀ on wire 2 times counting & cooing 5' away.
6 apr 9:35 am at least 2 in top of NW elm.
9 apr 9:20 am. Going to NW last few days - one flew into very top of NW elm in hard wind - flew off. For the last week + there have been a number of unidentified birds - finch size flying overhead in all directions. Who are they, what are they doing?
11 apr some singing about especially in the backyard.
16 apr 7:22 am ♂ (moulting diamond on upper breast) to feeder hanging feeder; song & "chew-e" calls - suspicious. 10:26 and 10:47 both feeding in 2 section feeder - especially millet mix on top of both (audubon) sunflower seeds; upper perch.

16 Apr., Del Norte St., Berkeley, Alameda Co., CA
1:16 pm one to feeder - ate fair amount
flew SW - no molt on breast 1:50 pm
its back again not shy, tubes a mouth full
of millet & gabbles - shells. I can move to
4 or 5 away. 2:47 pm 2 ♂♂ in to feeder -
one at mix - top rump. Other lacks ♀(?)
feeding on small bl. sunflowers. These
are relatively tame! Top one feeding on
nigers seeds from Audubon. I moved & they
flew to top of NW elm. 3:49 pm ♂ molt "sweet"
17 Apr 10:20 am 2 ♂ on feeder, actively feeding.
♂ singing in top of NW elm at 10:42 am
2:11 pm 2 ♂ (was a ♀ like the packed at
plastic) feeding on sunflower seeds.
4:30 pm. — face at feeder - can't determine
sex. I think 2 pair? They have caught
on to use of feeder & more prefer
the black sunflower seed. They are
eager molters regulars for black
periods
18 Apr 2 into feed several times in am - 12:50 pm
2 ♂♂ (one is molting upper chest) 1:22 pm 2 in
each - didn't see them eat anything. 2 in at 4:20
they are becoming gluttons, getting more relaxed
about it all. By 7 pm clouds have rolled down.
19 Apr 9 am rain one ♂ to feeder. at least 3
at 10:30 am on ledge briefly not afraid
to get feet wet. They have reduced by 1/2
the sunflower side of feeder - in off and
on all day - 3 ♂♂ where are the ♀♀?
7:30 a few sprinkles, now raining they
don't come in late
22 Apr. 11:52 am rain started 2 ♂ to NW singing

22 apr., 66 Route 24, Berkeley Alameda Co, Calif. singing frequently and in feeding — they seem to prefer the hanging feede except they do feed on flat surface. 7:18 pm lowering clouds - one at feeder for 2 min. at the small seed side. activity today.

23 apr 2 ♂ in to line & ledge, at feeder often; one ♀ briefly at feeder in early afternoon.

25 apr 10:30 am 2 ♂ in Pittos; one came in to feed briefly.

28 apr in frequently to feeder: 2 ♂, 1 ♀

29 apr 8:30 am light rain 2 ♂, 1 ♀ at feeder many times, part songs one in Pittos. They are not as frightly - are less than 5' from me this visit. They flew off when a dove came sailing in from NW. at 8:55 am 2 ♀, 1 ♂. 9:21 am ♂ singing atop of N elder. - very prominent. 9:25 2 more flew into lower N part of same tree. 2:43 pm one ♂ & ♀ 5 min. feeding, flew S. ♂ back in 5 minutes. 3:25 pr. ♂♀ back - on line - they have not fed at all today - are they feeding young? one like ♂ except extremely pale yellow instead of red. 7 about now - there are 2 pair plus — ? ♂ one bright deep red; other bright orange 3:34 one ♂ bright red - the red extends to belly Some are feeding on landing. 4:56 are there 3 pair? some extras look like ♀ or juvs. (?) no begging 6:41 lots of activity - lots of towhees & lots of H.F. some are flicking mill out of way in feeder to get at the sunflower seeds. Saw one brief "fight" began to beak in flight between a ♂ & a ♀. There is much jostling for a perch, but little overt hostility between birds — no feeding territory.

30 apr, del Norte St., Berkeley, Alameda Co, Cal.
have seen no begging.

1 May 1:40 pm 2 at feeder - sunflower side ½" of millet left. The general seed side with far fewer hl. seeds. is 6" - just below top hole. They have really cleaned up on the food. 3:59 pm 2♂, 1 ♀ on ledge feeding.

2 May in & out all am. seems to be 2 pairs in most frequently. 1:34 pm = ♂ & ♀ close together (2") ♂ reached to ♀ w/ which opened mouth - courtship feeding - no food passed.

3 May 3:45 pm the yellow ♂ feeding at feeder with a ♀ 6:38 pm the first dude that looked like an imm. filoplumes on head at feeder - turned then on him - like ♀. corner of bill not yellow or fleshy.

4 May 9:08 am ♂ & ♀ in top of NW elm, bill wiping 2:51 pm 4 ♂♂ in a row with a Br. Towhee. 3:18 The yellow ♂ with 2 ♀ types - one with filoplumes on head. Then another red ♂, the yellow an orange ♂ & 3 ♀ types - how to tell juvs? juvs are feeding also. competition at feeder, but no other aggonistic behavior. corner of mouth not fleshy. another bill to bill exchange by ad ♂ to ♀. The juv. with filoplumes has russet-buff - greater secondary coverts, where as ad ♀ are buff-white. They are lined up among morning doves (3 of them pair and a juv). total = 7 house finches 3:29 pm ♂ with ♀ type in P. Hos., ♀ type begged - eyerings, wings, raised crown, tail up ♂ fed then juv. with filop same & it was fed also.

4 May, del Norte St. Berkeley, Alameda Co., Calif
How old is the ♂ with yellow feathers where red should be? 3:41 yellow - very pale in singing stripes on flank more on belly below yellow as red cheeked ones do 3:46 = 1 bright red ♂, one orangish, the yellow & another not as bright as first. The yellow hopping after a not so red ♂ = first agonistic ad ♂ with a band of dull tan on upper chest 4:12 one singing in top of NW elm. 2 pics of feeder. 5 ± flew from ledge-landing.

5 May - in feeding; same juv. with filoplumes, and the yellow ♂. Will have to check out the plumages of H.F. 1:30 pm put new sunflower seeds in feeder, at 1:45 pm. 5 ♂ (incl. the yellow), & 1 juv. & one ♀. How wild are they tolerate me - even moving, waiting at 4'. 1:30 pm put out H.F. model at pot log (see journal). 2:32 pm there are 2 pale yellow plus a bright orange 4 on feeder (3 perches) much squabbling & simple 'chip' calls. ♀ types can supplant bright ♂ at feeder. 7:28 lone ♂ feeding at feeder

6 May have been coming in since 6 am 9:45 am 5 ♂♂, 2 ♀ types much "chirping" 11:08 am ♂ (brown spot on upper chest) & ♀ on limb in Pittos. orange ♂ on line. 11:28 ♀ type, yellow ♂ & red ♂, the yellow hopped 3' to ♂ red cheek fleer - no obvious begging. pale orange ♂ singing to ♀, shimmy head & tail up. 1:33 juv. begging ♂ quivering wings, ♂ fed ♂. 8 May, 1:33 ♂ & ♀ in top of NW elm - same time 3 ♂ feeding

9 May ♂ singing on line near ♀ exaggerated head & tail up, changed direction on line in opposite directions. ♀ no reaction.

capadamus nex

CA

11 May, del Norte yr. Berkeley, alameda co.
9:36 am. big chase scene between two.
13 May 8:36 am a new juv. (♂ type) with bilateral filoplumes and eyes, flew to feeder with others; much squabbling by 2♀, 1♂. Juv. quivered wings! — no eds close.
17 May 1:10 pm juv. quivering wings to ♀ which fed it. This sp. has been at feeder many times a day.
20 May have been around all day; 4:43 pm ♂ singing — a long intricate song.
23 May 12:35 pm a dull, light orange ♂ is displaying to a ♀ with a rather harsh atypical song. ♀ leaped at it on line chasing it 3', he persisted. She again aggressively attacked her. Then a bright ♂ showed up & just ♂ quite displaying & singing. 1:49 pm something without a bright red ♂ present. Again ♀ lowered head & advanced. Both persistent beggers!
24 May 10:50 am 2 new juvs. calling incessantly; filoplumes, being fed by ♂; continues — begging — quivering wings, often tail is up, head forward, bill open.
27 May a bunch of them on line with preening doves — a juv being fed by an ad is banded (aluminum!) on right leg! There were 2♀ & 4♂ (10 minutes ago) = ♂ = 1 deep red, 1 lighter red, 1 orange & 1 drab yellow. 4:00 pm banded one quivering wings next to ♀.
28 May 4:17 pm light drizzle 3 red ♂; 2♀, so how many do we have? Lots of bickering at perches. They have eaten 1/2 of the container since friday? This can't be their only source of food!

carpodacus mex

29 May, del norte st. Berkeley, Alameda Co., Calif
11:03 am food almost gone. Banded juv feeding on landing. 2:04 pm ♂ singing head & body up, wings drooped & quivering — this is a ♀ plumage type. 7:32 a ♂ yellow is upright, tail up singing a harsh buzzing song to ♀ - very aggressive by hopping up & tumbling her. She retreated & finally chased him. Then she flew, ♂ followed. 7:49 pm ♂ singing a good song - though not the rambling, lilting sort of ♂. The food is gone in the feeder — so they are now feeding on the ground! 8:14 pm banded one - "cher-up"
30 May put food in feeder 2:11 pm at least 5 red ♂♂
2 June 10:11 am Finches have eaten 14" of food since Monday! Blue light yellow (almost orange) ♂ displaying & singing briefly to ♀.
9 June have been in all afternoon — there are 4, 5 or 6 often in jiffy & return — total is a question at least 8 or 9, with a slight predominance of ♂♂ with 2 (+?) juv. in ♀ plumage. Each ♂ a different hue of yellow, to orange to red. 4:04 ♂ brilliant red - rather deep hue.
12 June 8:16 am clear - ♂ & ♀ in alarm feeding on line ♀ 5" from ♂ singing then stopped & silently gave head up - typical display ♂ no attention flew off. 12:39 pm 3 red ♂, ♂ pale ♀, rest of 9, ♀ type plumage 3 pr = 6; rest imm., 2 nestling + and 1 imm ♂ = ?
13 June 10 am ♂ at end of branch near top of NW elm singing - prominent perch & one of which

13 June, del Norte St. Berkeley, Alameda Co., calif
I haven't seen of late. They have not been perching in this tree as much in the past several months. 10:59 am 3 (2♀ 1♂) in an ledge & at feeder that is late with food a large ♀ looked at me then open mindedly "Sir-ee" call.
14 June 9:40 am 1♂ bright red, 2♂ one light orange & one a richer orange but not red.
16 June 8:29 am ad♂ in courtship displaying to ad♀ 8" from her twice she flew at him; another ad. red♂ arrived all flew to feeder.
19 June 1:01 pm juv: vibrating wings, tail up & partially spread - ♀ plumage - begging ♀ to feed it, one long lilo plume right side over eye. ♀ = "Sir-it" or "sure-t", ♀ & juv. to feeder briefly. 7:37 pm fog = 4 1♀, 3 red ♂ (a light red-orange one in earlier)
20 June 9:20 am ♀ on ledging repeatedly trying to "kill" a very large white sunfl. seed - after 30 sec. it broke the husks & ate the "meat". She went to landing to try another (with 2 ♂ - one red, one orange). This sp. usually prefers the small black sunfl. seeds. It made neat larger to hold seed in feet or hang it not hold.
29 June 8:29 am juv: with head come in.
1:09 pm ♂ sang 6" from ♀, the head bow of
3 July ♀ on ledge singing a simple song with head up & tail up (like ♂ but not as exaggerated) facing 2 ♂♂ fading 4' away.

17 July, del Norte Co., Redwood, Alameda Co., CA
9:18 am a dull red ♂ feeding a fledgling with filoplumes on head, ir guivering wings.
19 July 11 am 2 ♂ ♂ feeding one is molting about head, the other only a bit ragged. the fledgling seen above is ir independently. all of the ♂♂ now seen are a rather dull vermillion. None of the rich dark reds are about. This problem of ♂ color is perplexing. I don't believe diet is a factor here. Three imm. together on line — one is banded. 11:11 am = ♂ with malt on neck, nape ? wetted. 11:17 am 3 ♂ all vermillion 11:23 4 males all verm. 2 ♀ ad. NO SINGING OF late. 3:37 pm 2 bright red ♂. ?
20 July an almost constant stream of birds. most was 8 at one time. Probably 10-12. malt started - all grades of yellow to red
3 Aug. ♀ & 2 juvs. on line, both calling - a cheep. Other are quivering wings. ♀ fed one of them. Then all 3 flew N. (most fly SE). - at 3:30. At 457 birds juv. hiding shelled sunfl.
7 Aug. 1: pm still foggy - 29 with 1 each - juv. begging food on landing - one with filoplumes
10 Aug. what seems to be the dull yellow ♂ is molting real ratty, central tail feathers reds & head. The chin and rump are a much brighter red a crimson. 12:20 pm 7 feeding, 1 ad ♂, 2 juvs (begging) no ♀
12 Aug. same bunch of birds - ? one ♂ is basically yellow - pale on crown and throat - upper breast with red overwash

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12 aug., del Norte St. Berkeley, Alameda Co., cal. feathers coming in, rump a brighter pale red. another ♂ rump, throat-breast a pale orange - crown same color but brown feathers stia mingled with the color. also a juv. or ♀ type plumage except rump is a pale orange-buff color. du the past month ± have not seen any brighter red ♂♂ 4:06 pm at feeder - a young bird in molt - no heads or breast but a clear tan-yellow - very pale. & rump dull orange. (samebird).

13 aug 9:24 am fog, 3 dull ♂♂ - the palest - slight yellow breast = horizontal, quivered wings & called (the begging response) to the brighter of the ♂♂. ♀ around feeding. a definite little group of consistant visitors! but no these are the brightly colored ♂♂. 9:35 am 8 feeding with one juv. m. dove & Bt. towhee. One streaked breast juv. with filoplume on fore head begging from ♀, its rump is a light ruffous with brown longitudinal stripes. is this the first sign of a ♂ plumage. 9:45 am a juv. with right foot drawn up to belly, hopping about on one foot - the first time seen of this one - is it an injury or ♂ congenital only have I not seen it before.

This past several days finches have not been feeding on feeder - just chickadees! all feeding on the ground,

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13 Aug., del Norte St., Berkeley, Alameda Co, CA
3 ♀ types in very top of Ulm at 12:12 pm
- 4 at feeder.

14 Aug 2:34 pm type tweets, "sweet" calls and a low, rather quiet warbling song from a ♀ plumage type deep in Pittos tree even with me at desk. a female song or imm. ♂?
The song was not the typical ♂ song in spring.

16 Aug 2:30 pm ♂ ♀ (and/or juv.) in feeding, & the bright orange ♂. much flying about.
Where are the ad. ♂ ♂?

17 Aug. 4:52 pm juv. begging from the orange ♂

21 Aug 11:34 am 7 feeding 2 dull ad. ♂ the color left is deep. Where have they been?

30 Aug 2 "♀ types" are getting a faint ting of red on throat & upper breast. 1:50 pm put out new feed in "dull garden" a ♂ with pale red on crown, throat & breast. There seems to be more H.F. now than formerly - about 12 at one time.

31 Aug 11:07 am ♀ type with band on Lt. leg.

3 Sept 11:56 am several juv. plumaged individuals who are getting a red blush about throat, and especially rump. 12:03 pm ♂ rather pale color, molting (not a juv.) ♀ lowered head & jumped at him - he flew, another pale ♂ nibbling on Sunfl seed.

4 Sept 11:32 am ♂, little molt, pale red color

9 Sept 12:08 pm 3 ♂ feeding. all are very pale washed out red and in molt. Are these the bright spring ♂ - ? does color fade?

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21 Sept., del Norte St., Berkeley, Alameda Co., Calif
3 (2♂, 1♀) in top of NW elm - several have been in feeding

24 Sept 1:24 pm 3♂ at feeder - all dull and pale, especially one. There are no obvious signs of malt among them.

26 Sept 9:35 am several in top of NW elm & fly directly into landing. Yes - ex" call & chatters. One ♂ pretty deep red down to chest & lighter to top of belly.

27 Sept 4:16 pm 2 pale ♂♂ on feeder they are eating millet — 3 or 4 in bill & shell one by one fewer seeds in this batch.

29 Sept 9:52 am a ♂ (rather bright red) & a ♀ in very top of NW elm. 4:08 pm a fairly bright vermillion-red ♂ feeding with 1 dove.

30 Sept 9:14 am one very bright red ♂ in top of NW elm. Earlier a very pale ♂ in feeding. The number of finches in at one time has diminished since Lucas away (Mendocino) earlier this month. The clientel has changed now — one is singing - first I've heard for awhile.

1 Oct 10:12 am foggy. pale red ♂ in feeding. one in very top of NW elm for a minute +, flew in to dead branch of Pittos. then down to feed — it is a brighter, deeper red ♂.

3 Oct several into feed, but no where near the number of several weeks ago 1 pm a ♂ & a ♀ in top of NW elm.

5 Oct fog 10:16 am a fairly ♂ in top of NW elm singing complicated song, lilting ~~song~~ warbling

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5 Oct., Del Norte St., Berkeley, Alameda Co., CA
Saw 3 in top of elm. There have been several in & out of feeding area. Also, same fly in to area high in a wild jerking flight, abruptly changing directions, then descending to land in tree top. 1:25 pm. still foggy. Five in top of NW elm with two robins and one Brown towhee. They (H.F.) descend to landing in wild undulations, swooping down with erratic angles & turns.
6 Oct. 11:31 am Fog a group in top of NW elm then they flew in & are eating big sunfl. seeds 1♀, two rather light dull red ♂, one very bright red ♂ (the wings as dark as some in the spring) and a juv. molting about head & neck a pale dull yellow on throat & upper breast.
13 Oct. The food gat saw in the dual-yankee feeder with fewer sunfl. seeds & the finch clientel fell off. Filled it yesterday - they still have not discovered it - only a ♀ on the landing so far today.
14 Oct 8:43 am 4 feeding on landing - one is a bright red ♂ - nice to have full D-4 feeder! ☺ = habit patterns. 11:02 am a chickadee to feeder - threw out some sunfl. seeds, flew off with another - then a dull red ♂ showed up; eating millet on perch.
17 Oct 10 am bright clear day a ♂ bright red alone in top of NW elm singing. a pair in w elms briefly - have been gone into heat-set

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19 Oct., Del Norte St., Berkeley, Alameda Co., Calif
9:12 am sun and nw, 1 ♂ has been in top of ~~up~~ NW elm, then 4 came in (2 flew 5) none into feed yet. 9:35 am none now several singles in top of up st. cedar - first in a long time. 1:17 pm 3 red ♂♂ into feed. None are full bright red & red flecked with cellitis & not as extensive on upper chest; mainly throat.
21 Oct 12:09 am in feeding: 1 ♀, ♂ bright red and another pale orange.
22 Oct. 9:24 am 6 in top of up st elms
23 Oct. 11 am have been about 5 or 6 in top of elm & into feed — one really bright red ♂ with extensive red on breast.
25 Oct 10:04 am fog ☁ + flew into top of w elms. Much flying about & into top of NW elm
26 Oct 10:01 am an ad ♂ bright red and another pale yellow-buff-colish gave the "Gu-ee" call at feeder.
2 Nov. 4:35 4 ♂ at feeder: 1 very bright red, one less red & 2 are pale.
3 Nov 8:35 am light drizzle 7 in; 2 ♀ all of these ♂♂ rather light & dull red! one is a pale red-orange. 3 took off to SW & flew high.
14 Nov ♀ with band on rt foot in feeding; total 8 (3 or 4 ♂ one bright orange.).
20 Nov 4:15 a bright ♂ flew into feeder ~~today~~ none to day landing
21 Nov 1:15 pm arrived ~~GFE~~ Journal; 3 in feeding earlier, now 7 in top of NW elm — all but one flew E; now one ♂ from a side robin
6 feeding at feeder, much chasing

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22 Nov., 2d Norte St., Berkeley, Alameda Co., Cal.
1:13 pm 9 with hand. 1:29 pm 7 off & on at feeder from Pittos., mostly squabbling over perches & flying about. 4 ♂♂
23 Nov 2:10 pm 4 ♂♂ all bright red, though one is a deeper richer hue than the others.
5 Dec not as many in of late. 10:25 am 2 in top of W elm. Feed on & on landing & in feeder.
22 Dec 3 in top of NW elm, breezy broken clouds, rain in am. 5+ in earlier in am. They have been around everyday, feeding mainly at feeder.
29 Dec 9:02 am 7 and a rosy jay in top of NW elm — warming up in the sun. Finches fly over trees about neighborhood, probably blacks. Not small local towhees.
30 Dec 11:14 am 3 came in to feeder — but 2 ♂♂ were perched in Pittos. Neither full dark red, but red
25 Jan 89 This sp. has been about the most especially abundant. at 10 am ♂ in top of NW elm singing briefly — not full song.
27 Jan 10:39 am ♀ in branches of W elm 4' from top — it hit off same limbs; flew. 4:51 pm one in very top of top SW cedar
29 Jan did not see today till 4:23 pm 6 — at least 2 really bright red ♂♂
30 Jan 8:26 am 2 flew from SE into top of NW elm. 9:10 39; 1 bright red ♂ in top of NW elm — have have come in to feed yet. 2 flew at 9:15; 2 ♀ flew SE at 9:20, none more 9:34 bright red ♂ in to feed at D-4 with 2 chickadees. Why aren't more finches feeding on landing? Perhaps the large amount of seed in the Safeway food is too much. They like small black sunflower seeds & millet.

Christman 1988 — Campodonus nest — 23

~~30 Jan, del Norte Co., Berkeley, Alameda Co., CA~~

17 Feb 3:36 pm 4 ♂♂ at feeder - 2 on nest & 2 on pole sycamore - one with ♀ in cavity - 4:33 5 in top of N. elm; 3 at feeder.

6 Feb 10:45 am 5 in top of N. elm - at least 3 ♂♂, many really brightred.

7 Feb ♀ with aluminum band (RT) in feeder at 4:14 pm

9 Feb 4 with raisin in top of ~~NW~~ N. elm. One flew 20' to perch at new growth on top of elm; then flew in to feeder. 2 ♂♂ & 2 ♀♀; ♂♂ brightred.

4:31 one ♂ on line 12' from house, head up, tail slightly raised (no full display) doing a series of "chip" calls. full bright sun.

11 Feb 9:45 am ♂♂ & ♀ in top of NW elm. from E

13 Feb 9:12 many in tall many 10♂♂ (brightred) 2♀♀

20 Feb 10:42 am fog - 7 in top of NW elm plus ♂♂ in Pittos, can't determine sex those in tree; 3:58 pm 2♀♀ in W elm feeding on emerged elm flowers - 3 in NW elm. at one time 2, 2, 2, in tree - so has pairing already happened?

22 Feb 4:49 2 in top of NW elm.

26 Feb ♂♂ singing in top of NW elm at 12:13 pm

28 Feb 4 pm+ seems to be 3 pairs - one has been in Pittos & 2 in top of NW elm - no experimenting eating samaras today.

1 Mar. 2:23 pm 2 (♂♂ & ♀♀) in top of NW elm with 9 raisins; they flew together to W elm & started feeding on samaras 4' from top of tree, flew

5 Mar 9:24 am 2 pair between NW elm, Pittos. & the feeder. The 7-10 last summer are down to three. I suspect there is another pair (part time) about. They are still apparently on the SE. 9:32 in top of NW elm in 2's; 5' & 8' apart = so 3 pairs.

Carpodacus mexicanus

5 Mar, del Norte St, Berkeley, Alameda Co., CA
3 in top of w elm with a rabbit. a ♂ & a ♀ flew 10+' among the new samaras & are feeding at 2:08. joined by another ♂.
7 Mar about 3 in moderate rain – 3 in top of W elm then came in to feeder at 4:45, 4 at the feeder
8 Mar light rain. ♂ singing in T. Hos at 1:04 pm
11 Mar scattered clouds 11:07 am a ♂ & a ♀ feeding on elm samaras in top of w elm. 11:09 has been a ♀ at N side of tree – light. a dull orange ♂ into top of w elm — the bright (flame) red ♂ flew at it & orange ♂ flew S. 1:49 pm ♂ feeding on samaras near top of w elm.
12 Mar 5 at ~~the~~ D-4 feeder 2 red ♂, one rather pale orange ♂. 1:16 connection two " pale orange ones.
13 Mar 4:11 pm in W elm; orange ♂ singing
14 Mar 8:47 am ♂ & a ♀ feeding on samaras near top of W elm.
15 Mar in feeding in mid afternoon. 4:46 ♂-♀ on line & 4 who were feeding on samaras in W. elm (N side. 5' from top)
16 Mar 9:38 am ♂ in top of up st. cedar; a very pale yellow ♂ to feeder typical "Eu-ar" call first dia seen this individual (from last summer?) 9:43 = 19; 1 bright ♂ red; 3 rather pale orange ♂♂, down to feeder.
23 Mar. 4:18 pm overcast. two have been in top of W elm for at least 20 minutes.
24 Mar 8:41 am a pair have been about consistantly at feeder & on landing. ♂ an extremely bright red. also several dull ♂♂

25 Mar., Del Norte St. Berkeley, Alameda Co., Calif
5:25 8 feeding & in Pittos. can't figure sex
26 Mar. 4:01 cloudy. 4 ♂ (only one bright red) & one ♀. 2 are pale red.
28 Mar. light rain, at D-4 feeder, Pittos & ledge — 2 ♀, 2 ♂ not bright red; one bright red & one pale yellow-orange.
29 Mar. ♂ & ♀ in top of W. elm chewing on just sprouted terminal leaf buds.
30 Mar 4:19 6 ♂ and ♀ of about 10, lots of noise feeding on landing & at feeder. One is real yellow! 4:35 all birds of singing & chirping at feeder, squabbling for perches. a dull orange ♂ & several dull red of limited extent & that bright crimson ♂. Diet is not the factor.
1 Apr 4:56 ♂ red ♀ in oaks others now eating leaves?
4 Apr 9:23 am ♂ in top of W elm - then flew to D-4 feeder. Only 2 or 3 around so far — ♂ singing.
9 Apr. ♀ with head in Pittos. about 5 around. plus four ♂!
11 Apr ♂ (bright red) & ♀ in top of W elm, flew to Pittos. then D-4 feeder; ♂ singing — he also got a mouth full & shelled multiple millet - chaff flying!
13 Apr 7 in feeding at D-4 feeder at 9:55 am they follow a definite pattern; arrive from SE to top of W elm, then to N Pittos. to feeder — much squabbling & calling at the feeder.
16 Apr 4:28 2 ♂ (red) & 2 ♀ feeding much squabbling and a few of last year (?) pale yellow orange.

Christmas
1999

carpodacus mex

21 apr., Delhaute St, Berkeley, Alameda Co., calif
a ♂ feeding with same doves - left
leg seems to be permanently in a
backward position - very observant.
24 apr 11:40 5 ♂ at ledge & feeder!
reluctant ♀ leaving - earlier 2♂, 2♀.
28 apr 11:07 am 3 bright red ♂ in to feeder
(yesterday pm an orange ♂).
4 apr have been in everyday. 7:20 pm = 2 ♂
bright red; ♀ w/ lost appears to be 3 (?)
juvs. no begging, etc no feeding. Lots of talk.
7:43 pm ♀ white (AI ?) band Lt. leg -
6 May 12:42 pm ♂ at feeder. ♀ on line
- she has a band on Lt leg. She was
singing & chirping — tail up & down,
wings draped & quivering, belly
& flank feathers fluffed. 3:19 pm 4 ♂ all
red, one pale orange & 2 ♀ (incl. banded one)
8 May 9 am ♀ feeding. a week ago sunday
the D-4 feeder was filled. The finches
were in in numbers — 5 or 6 at a time &
they threw out millet and large sunfl.
seeds & went after the small black sunfl.
Now only an Indian ♂ feeds left - a
♀ (banded) is feeding on millet also
Will fill up again. 4:pm an orange ♂
with left leg permanently in position
position feeding at D-4 and it landed
on the line.
10 May a new ♂, could be juv. extremely pale
yellow on line, not going to feeder with
1 ♀, 2 red ♂. Now the pale ♂ is head-tail up
singing to ♀! who advanced with head
low it flew 12" away.

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12 May, del Norte St. Berkeley Alameda Co., CA
2:42 pm a gaggle of finches & cedar
ledge - a bright red ♂ has an aluminum
bandon Rt leg. also in is ♀ with "
bandon Lt leg. Will have to trap.
13 May, 9:18 am 3♀, 3♂ in feeding on
landing - have let D-G feeder go empty
16 May 4:14 pm clear 5♂ & one ♀ at feeder
& landing, including ♂ with splayed Lt
leg. - all grades of red (mongolian) from
orange-vermillion to red. Much squabbling
17 May 9:17 am breezy & fog. about 5 or 6
flew from S into leafy top of Nw elm
then down to landing & ledge. This sp.
is only one to use prominent perches
at this season. Saw 10 in late afternoon
w/ the sex ratio - many more ♂♂.
19 May 8:41 am 4 red ♂, 1 ♀. 9 am 2 ♂ 2 ♀
one ♀ very briefly quivered wings with tail
up at the other ♀ lots of wing quivering
with ♂ within 4" of her - same singing.
11:53 am big squabble - an orange ♂
flew to 6" from ♀ - sang with head & tail
up, ♀ flew he followed then ♂ red
♂ landed next to him, head forward
& down in (orange ♂ flew off).
20 May 7:30 am one flew in window
& tried to "escape" thru glass at the desk -
it was new ♀ dark ♀ type plumage with
one filopleume on back of head. released
so at least one juv.
23 May 8:14 am a juv. on line next cameras
- it has filoplumes of either side of crown
like little devil horns.

26 May, del Norte Co. Berkeley, Alameda Co CA
12:25 pm a juv. begging from orange ♂ with Lt. leg permanently reserved. ♂ flew to P. ♂ followed by calling juv.
27 May 9:49 am juv. begging at palace ♂ with left leg deformed.
28 May new bird a scruffy - (juv ?) ♂ with the palest of yellow - faint coloration.
29 May 8:09 a.m. 2 adult ♂ 2 ♀ 3 ♀ juvs. & the very pale ♂ (yellow) typical begging two ♀ type juv. with filoplumes on sides of head above the eyes.
4 June 4:28 ♀ with feather in bill. Juvs coming in alone now an orange vermilion. 4:49 p.m 3 ♂, ♀ 1. including the orange ♂ with leg bands so he is called LLR = left leg reserve
5 June 9:41 am ♀ on ledge head up, tail up sang a ♂ song & flapped wings at side a dozen times; ♂ feeding near.
7 June 10:30 am fog. ♂ with 2 juvs., both calling loudly & begging to be fed with quivering wings - an inch 1' from ledge. one is small & darker breast streaks than the other, and more aggressive. The other has "devil tufts" on either side of crown (upper breast streaks light). The small dark one supplanted ~~first~~ the late. Then ♂ flew to feeder landing - the smaller one followed (it had been fed by ♂ once), still calling! after a minute or so it picked up a miller but dropped it. The devil tuft flew to other 2 - much calling. Two doves flew in & the 3 W.F flew. Is this the first

Capodaunsmex

7 June
time they have come in & thus nearly fledged. How long will ♂ feed it.

8 June 9:06 am juv begging on line between 2 ♂ (reds) – in ½ spread wings tail up, wings quivering. calls a repeated ad nauseum, one mate – ♂ followed ♂ to landing. Also feeding a dull blue deep orange ♂; only one ad ♀. 4 pm 2 juvs. begging from ♂, ♀ in attendance – mate absent.

11 June 9:20 am 1 ♀ on juv outdone ♂ on line briefly. What happened to second? How many juvs.? 12:14 pm 4 ♂ & 1 ♀ = one bright dark red ♂, one 2 dull medium orange & one lite red. Then another ♂ very pale dull yellow. 12:35 pm 3 bright red ♂, one very dark, and 1 ♀ on line & at feeder.

15 June 9:25 am 4 ♂ (all "red") and 1 ♀ also the straddle legged one – and an extremely pale yellow one which looks like a juv. 1:26 pm ♂, ♀ & 3 ♀ type plumage JUVS

23 June 9:25 am clear, cool. ♂ orange ♂ singing to ♀ with exaggerated tail up & head up when it got within 1' of ♀ she flew at him – retreated – all in the top of willow – both flew off.

24 June 9 am varies H.F. in feeding – including ♀, 2 juv. (no natal down) which are actively begging from ♂ which regurgitated for the bolder, more persistant one.

6 July, Del Norte St. Berkeley Alameda Co. CA
10:15 am ♂ in tail & head up singing courtship display on lodge to ♀ in flews. ♂ stopped.
7 July 9:33 am a juv. following ♂ (deep red) and quivering wings - a very low intensity begging response. There are no filoplumes of this individual - yesterday a juv. with ± clumps of down feathers on head attended by a ♂.
8 July ♀ & juv. in feeding no begging no ♂ at 9:49 am. ♀ picked up large sunfl. seed & billed it - couldn't crack it, dropped it, to beg
19 July 11:49 am ♂ with 2 juvs. begging to be fed. At 10 am ± a ♂ fed a begging juv.
21 July 8:45 am juv. (afew down feathers on crown) begging at ♂ - red.
23 July 10:38 am ♂ feeding begging juv. in Pittos.
26 July several times this a.m. 2 juvs. begging to ♂ on line with much calling - once an ad ♀ 6" from ♂ - juvs. did not beg from her.
29 July 1:12 pm two bright red ♂♂ two lighter orange ♂♂ (including the splay legged one) and 4 or 5 juvs and/or ♀♀. One juv. begging to a ~~♂~~ dull red ♂
2 Aug 4:21 pm 2♂ 1♀ 4 juv. on line - one ♀ has band on the Rt leg - FWS band?
7 Aug the straddled Lt. leg ♂ in moult ♀ & fed its head is now orange. a red ♂ in earlier in heavy moult on breast.

10 Aug, del Norte St., Berkeley, Alameda Co., CA
fog at 9:22 am a juv. begging from
a deep red ♂
22 Aug ♀ in at 12:48 pm with a juv. with 2
"devil" tufts either side of head, flew
from landing to line; ♀ fussed wing
& insessant calling
25 Aug juv. with 'devil' tufts begging
~~from~~ to a deep red ♀. a ♂ also
with pale chest-belly (no stripes)
and an extremely pale yellow superc
of yellow. Nice ring & type plumage
can't figure out the number of birds
— a dozen at least lots of activity
at feeder & on the landing & in
the P. Hos.
26 Aug. of late small groups, up to 6±
are feeding in the top of NW elm.
as well as in the P. Hos. 4:25 pm seems
to be only one bright red ♂; rest of ♂♂
dull or incamplete colaring. at one
time about 12 house finches. ±
27 Aug 10:19 am fog — ten to 12 on landing &
at feeder; all ♂♂ in molt no 2 alike in
coloration. several have large white
sunflower seeds & trying to open them
— much "mouthing".
28 Aug. 8:46 am just in juv. "devil ears"
begging at pale ♂ which clearly
regurgitated to it.
1 Sept 2 juv. begging from a ♂
4 Sept a real feeding frenzy at 9:30 am±
then all flew to top of NW elm & all flew
there were at least 12 of them.

4 Sept., del Norte Co., Berkeley, Alameda Co., CA
juv begging a dull red ♂, it was fed, no
dam on head. – 11:31 am. The juv. the "devil
ears" seen later. 1:32 pm the dull ♂ with
left leg aut in bush & useless except
for balance; was working on a large
white sunflower seed for a minute or
2 – finally opened it. This bird can't
perch on the feeder.

6 Sept 10:25 am 10-14 am mix & P. tyr.
active mush flying about & to feeder &
landing several pale reds, one pale yellow
– very light; one middle red purple
rest of birds – ♀ & juvs. No bright red
♂♂. Species is strong fliers for small birds.

23 Sept. They are very frighty – ♂ seem to
be reddish purple – one very yellow
one.

2 Oct 10:50 am ♂ with leg aut behind it (left) =
looking really warm & not much
malt abnormis – it's color is a washed
out yellow-orange. another ♂ a light
red (vermillion) not saturated red, another
♂ is also pale red.

10 Oct. fog 8:54 am 8 in top of NW elm 10 am =
11 in top of NW elm 12"+ to 5' apart. the ♂ with left
leg extended rearward is a pale orange color-
ation; 2 ♂ one deep but not bright red.
one redder than others. Total 4 (besides the
extended leg) one is very bright – another
pale orange. so 11 birds 4+ males so
nearly 50% sex ratio.

11 Oct. 10:13 am fog one ♂ in top of NW elm singing
see descripts. cooperi desc.

Carpodacus mex.

15 Oct., del Monte St. Berkeley, Alameda Co., Calif
11:10 am 3 in top of NW elm - They are about lost in last week ± they are not feeding at feeder as much as a month or so ago. And feeding on deck (for landing) more now - less the bird food changed or what?
23 Oct very light rain - 12 in top of NW elm They flew in high & descended into tree top 90' ±. Have been at feeder. My impression is that they are feeding here less than in the summer. 12:25 pm saw 14 much preening then 18! are these birds "colonial"? 12:36 pm saw only 9 in NW elm & none in Pittos.
24 Oct top of NW elm - 2' from usual. No trouble.
27 Oct 9:51 am 2 in to feeder, have not been in top of NW elm - were in Pittos
11 Nov 11:02 am ♂ & ♀ at feeder eating mild. Far fewer house finches about in past several weeks; only 2 or 3 at a time 3:30 pm ♂, ♀ & ♂ with straight back Lt leg feeding + another ♂
15 Nov 11:05 am 2 red ♂, 1 ♀ & 1 pale yellow ♂ (in Pittos) feeding at feeder & on ledge. Not as many house finches of late.
20 Nov 8:54 am 2 have been in top of NW elm then one flew into feeding from S. the 2 joined it then all 3 flew SW after feeding.
21 Nov Fog. 9:47 am 2 ♀, 2 ♂ (dull red) & bad leg ♂ = 5 first in today; 3 were in top of NW elm.
22 Nov 8:45 am fog about 4 or 5, 2 ♀, bad leg in for first time this am.
23 Nov 11:25 am high clouds a ♂ & ♀ in to D-4 feeder were not in NW elm, etc

24 Nov., del Norte St., Berkeley, Alameda Co., Calif
mean-annual 5 in top of NW elm.
25 Nov 3:54 pm heavy rain lightened up
5 in to feeder, male squabbling & tweeting
here in during heaviest rain.
28 Nov 9 am 6 at feeder & on ledge 3♂3♀
30 Nov 10:44 am ♀ at feeder alone. Foddown
7 Dec 2 red ♂, 1♀ at feeder 1:29 pm here off
and on latter part of a.m. Far fewer now.
1:50 2♀, 1♂, then another ♀.
12 Dec see Cooper hawk visit
3 Jan 10:06 am 3 flew in from S to top of
NW elm — yesterday 2♂, 1♀ & a shy yellow
headed-breasted ♂. Far fewer H.F. this
fall & winter — only 4 or 5 & into feeder
off & on all day.
5 Jan. 3:51 pm at feeder a chickadee, 2♂ and
♀ with band on Lt. leg. red
8 Jan 1:30 cloudy — 3♀ 2♂ at feeder, Lt. leg
out in ladies and a yellow ♂
9 Jan 9:30 am Lt leg lame ♂ on D-4 feeder
ashamed but there; it also perches on
NW elm with others.
13 Jan all am & to 1 pm 4♂ & 1♀ very actively
feeding at D-4 feeder. one ♂ has swollen
Lt. eye may be blind in that eye. all ♂
different colors of red. One is a bright
scarlet. 1:30 - 2♀, I don't know how
many individuals a interchange of
these feeding. 3:54 pm 3♀ & 3♂ at feeder.
16 Jan 11:32 am scattered clouds; 11 top of NW elm
1:08 pm now 13,
20 Jan 10+ in elms upst' at 10:09 all are
feeding on emerging buds on the elms.

20 Jan., <u>del Mate St. Berkeley Alameda Co., Caly</u>
4:20 pm few H.F. feeding with doves - one is ♀ in appearance but a light yellow among at upper chest - throat & just a tuing of yellow on head — a young ♂ getting ♂ plumage? ♂ with AL band?
4:40 pm 4 in top 3' of up sr elm feeding on buds
<u>27 Jan</u> 4 pm 4 - 15' from top of NW elm feeding on buds of the elm - haven't been to feeder much today or lately. They have been in elm a lot in past several weeks.
— doves came in to landing to feed — 4♂ & 1 ♀ came in to feeder. One ♂ light dull orange.
<u>30 Jan.</u> 11:15 am the ♂ with bad left eye at feeder - the eye & what can see it is raw sticks and 1/4" + part black & fleshy its blind - couldn't see me 25" away
<u>3 Feb</u> 9:50 am sounds like this sp. singing - 6 in top of NW elm. Haven't seen the individual with swollen eye lately.
9:54 it came in & shelled millet. 9:57 counted 10 in elm top. This is a high number for finches this winter.
<u>8 Feb.</u> 10:55 am cloudy. 7 top of NW elm
4:32 the "tumorous" one in eye protrudes 3/8" & a little more in diameter. Lower is a deep red. eating millet seeds.
<u>10 Feb</u> afternoon - lots of singing - couldn't see who did it - only HF in area ♂ & ♀.
<u>11 Feb</u> 3:52 pm overcast - storm coming in. only 2 about 3:30 bright red ♂
<u>12 Feb</u> 4:01 bad eye at D-Y feeder the Lt. eye is darker now it seems, white center

Christmas
1990

Carpodacus mex

14 Feb, del Norte st, Berkeley, Alameda Co, Cal
9:40 am about 5 came in from NW elm
rather suddenly - windy day 12:30 pm
2♀, 1 red ♂ 1:06 none about.
15 Feb noon = today - 3♂, 2 are red &
one a very limited dull reddish, plus
the bad eye bird (now the "tumor" is
3/8" out from head & 1/2" front to back).
17 Feb 2:05 pm rushed feeding at D-4 &
dull orange ♂ with band on Lt. leg.
22 Feb 2:32 pm ♂ feeding - is it the one
with a bad eye - eye appears normal
but paler posterior to eye discolored & bare
and feathers rumpled! Eye (Lt.) appears
normal.
24 Feb 9:30 am the bird with bad eye to feeder
26 Feb 12:10 pm at D-4 A ♂ all red, and
at least 1 ♀, including the one with
left feathers rumpled on Lt. side of
head behind eye.
2 Mar 4:47 pm light rain, several (?2) ♀,
3♂, a very dull light orange ♂, & red
♂ with ruffled feathers, Lt side of crown
& swelling behind eye.
3 Mar 9 am fog. Hause 7 singing
7 Mar. 2 pm one red ♂ with swelling
behind eyes & feathers rumpled on crown.
Haven't see 1 with smaller eye
8 Mar. 9:37 am ♂ (red) on 45° L branch 5" from
squirrel nest in oak. 2:52 p.m are singing loudly.
3:38 swelling behind eye - almost to back of head
1 very pale orange ♂
9 Mar 3:43 pm pale red one shelling mild
10 Mar 10:24 am 8 in top of NW elm, +1. poor light for seeing

10 Mar. del Norte St. Berkeley Alameda Co. Calif
half day feeding on landing including
a pale orange one with aluminum band
on left leg.
11 Mar 8:55 am many (?) feeding on samaras
of NW elm - 3:58 pale orange - band on Lt leg
4:02 2 ♀; red ♂ squalling behind eye 3/8" out
4:40 about 9 suddenly flew from top of NW elm
to S. they flew at a 45° ∠ as a loose flock —
they are strong fliers. have not seen more
than 2 ♀ at a time. 2 pale orange ♂, red ♂
12 Mar 4:20 pm red ♂ aluminum band Lt. leg.
4:53 3 ♀ at D-4 feeder; already much squalling
13 Mar 4:08 pm suddenly seems to be lots
more, especially red ♂ — may band to count.
14 Mar. 11 am 4 in a big chase over elms.
15 Mar 12:05 pm at D-4 = 7 ♀, 1 med. dull red
♂ & another ♂ pale reddish, not orange
16 Mar always squabbling among finches
either at the feeder or on landing.
17 Mar 8:45 am 2 bright deep red ♂ at feeder & on
landing.
19 Mar 4:16 pm 1 ♀ feeding on samaras with gold f.
4:39 pm 2 red ♂, 1 orange ♂, 2 ♀
20 Mar. 8:37 am 4 in top NW elm; 2 flew into
samaras. no to feeder yet.
21 Mar. 12:39 pm social feeding on samaras
with gold finches. Same singing this am
22 Mar Same singing

Christmas
1990

carpodacus mex.

23 Mar. del Norte Cl. Berkeley, alameda Co CA
♂ high in Welw at 8:34 am singing
29 Mar. 10:27 am - 18" from top of Welw
pale yellow-orange ♂ singing for 5 min.
2 Apr. 3:55 pm clear 1♀, 2 red ♂ one more
extensive red, both bright. shelling millet
Then a dull orange ♂.
6 Apr 10:31 am 6 at feeder; 20 minutes ago
2 in top of Welw.
7 Apr 9:48 am 7 in lower S part of Welw
among many old banana - flew into Pittos.
2:51 pm bright red ♂ singing - an especially
abrasive & coarse song - also a dull red
♂ feeding & 2♀♀ today. 4:16 - 1 red ♂; another?
8 Apr 5:04 pm 3 top of Welw. only 2 or 3 in so far.
5:13 pm ♀, orange ♂, red ♂ at feeder.
9 Apr 1:35 pm ♀ & dull lustrous red
at feeder call: "Su-weet" 4:54 1 red ♂, 1 org. ♂
11 Apr 8:47 am ♂ top of Welw singing 9:12
1 ♂ red among big banana bunches of Welw
- actively foraging. 10:58 ♂ red & ♀ feeding
at D-Y feeder.
13 Apr 8:14 am 2♀ feeding on dry banana
40+' up in Welw. 11:54 2 red ♂; 1♀ at feeder
3:05 orange ♂ on landing feeding. 3:12
2♀, 1 red ♂
14 Apr. 3:28 at the feeder: 2♀♀ & 2 red ♂♂
5:07 pm ♂ (red) & ♀ on line 1' from house, ♂
singing with exaggerated tail & head up, & chased ♂

1990 Carpodacus mex.

15 apr., del norte co., Berkeley, Alameda co., Calif. a new kind of season — an extremely pale yellow one, with out this diffusion it would be a ♀ by markings-
16 apr both red ♂ & ♀ feeding this a.m. what is the nesting regime, as to sexes?, for incubation. Of all the species which partake of the "wild bird mix" House finches seem to take the most, at least at this season. Doves would be second — certainly more in the spring. Fall might be different. 1:41 the very pale orange ♂ singing on the line. (2 in together at 1:45 1 pale orange - upper breast; other pale yellow orange head-throat - upper breast streaked. 4:18 ♂ not red, not orange, so vermillion. 5:54 a ♂? — ♀ plumage except for faint yellow cast to head & throat, not breast
17 apr 3:51 pm a dull red ♂ & a dark vibrant red ♂ much chasing on line & at feeder.
19 apr 3:51 pm ♂ & ♀ next to each other, (3") on line. ♀ sang with head up, throat moving & same wing vibrationing - neb sweet ♂ nothing - was hungry.
20 apr 7:14 pm 2 ♂, 2 red ♂ (not many in today)
21 apr 5:29, 3 ♀, 1 ♂ at 5:pm - 2 ♀, 1 ♂, 1? all males red. The population has gone down!
22 apr 8:58 am 2 red ♂, 1 ♀, & 2 orange ♂ (one slightly more vermillion).
23 apr 9:03 have been in & out all am 2 red ♂, 2 ♀ now. 12:26? 1 red ♂ & ♀; 1 pale yellow ♂, 1 pale red ♂, 1 pale orange. 12:32 a red ♂ with extensive red. and only 2 ♀♀!

23 apr. Del Norte St. Berkeley, Alameda Co. Cal. 4:14 1 red ♂, 1 ♀ & 3 "orange" ♂ all slightly different.
25 apr 11:14 There has been lots of singing this a.m. Then ♂ deep red ♂ on line over st. while a ♀ was in ivy on utility pole across st. Then ♂ flew to ivy out of sight. Pair at feeder, much talk. 11:18 again ♂ about in ivy at pole. I can only see the top 1' of pole (oak obscures the rest).
26 apr. Lots fly about all a.m. 11:26 a red ♂ & ♀ much cheeping at D-Y feeder.
27 apr ♂ red & female in all day 4:15 pale orange ♂ alone.
29 apr ♂ extensive deep red alone at 1:03 sp. in off & on all day. 1:07 orangish red ♂ on line singing. 1:14 2 deep red ♂ & 2 ♀ pairs are 2" & 10" apart 1:26 a ♂ with a slight yellow cast to throat upper breast & side of head.
30 apr ♀ in to feeder alone at 9:47 am & is sleeping late. Then a ♂. 10:05 orange ♂ at feeder alone; no mate. 10:08 red ♂ & ♀ into top of Nu elm. House finches feed at D-Y feeder, 99% (near neighbor chickadee) & lately they have spilled lots of millet and large sunfl. seeds. Thus they are after the small black sunfl. seeds. Are they feeding young.?
10:11 ♀ alone at feeder a few cheeps. 11:13 new red ♂ & ♀ 4:40 mate in Vz M. food law. They had been throwing it out. selective feeders!
1 May 9:12 ♀ & red ♂ at feeder.

1990 Carpodacus mex

1 May, del Norte Co. Berkeley, Alameda Co. CA
8:50 am ♀ & dull orange ♂ at D-4.
2 May 8:29 a red ♂ & ♀ feeding 3:58 pm ♀ & red ♂ at feeder. 3:51 ♀ & very dull orange ♂ at feeder, tu-e-t tab. ♂ back at 3:56 & is singing — no ♀ near.
3 May a bright light red ♂ about 8:5. 8:57 a ♀ feeding at D-4, then the above ♂ — feeding together. 9:42 ♂ alone to D-4 faint yellow. 9:48 dull orange ♂ alone. Surplus of ♂ 10:04 red ♂ & ♀ (this is a deep red ♂) 3:37 2 ♀♀, 1 orange ♂ 4:17 dull orange ♂ singing, alone on — has a harsh buzzing "la-de-da" at end of song. then ♀ in. 4:22 red ♂ — ♀ in with much squabbling between pairs, both sexes & many different calls, etc. 4:24 2 orange ♂♂, 2 ♀♀ 4:35 brilliant red ♂ (stunning upper breast; paler red down to belly).
4 May 8 am 1 dull orange ♂. 8:18 am 2 ♀ & 2 dull orange ♂ much squabbling
8 May 10:25 am a ♂ has been about the ivy covered pale areas of. 1:42 the D-4 feeder has been empty for 2 days now — pale orange ♂ just checked things out. Filled up D-4 feeder late in day.
9 May 8:19 am 3 ♂ (2 red, 1 orange) & 3 ♀♀ They seem to arrive at D-4 as pairs off & on all day. ♂ ♀ as pairs land they'll feed on landing — always entirely millet. 9:04 a cadmium yellow ♂ with band on rt. leg (aluminum) & a ♂ same but more orange & 2 ♀♀
11 June 12:43 and ♂ in ivy on hill areas of.

Christmas
1990 Carpodacus mex.

9 May, del Norte St., Berkeley, Alameda Co., CA
10:31 a pale orange ♂ & a brighter orange ♂ & 1 ♀. 3:56 1 red ♂. 4:10 seen ♂ cleared & ♀

10 May several in Gam incl. very pale yellow ♂ 8:07 red ♂ AL Baudan Lt. leg. 4:42 3 ♀♀ - 1 red ♂; in & out most of day.

12 May 11:56 am. orange ♂ & ♀ arrive countless 18" panicles pale areas St., have been there frequently, but not seen any nesting material 11:57 dull red ♂ at D-4 calling "Fire ♂"

15 May 8:31 am 2 brighter red ♂♂ & 1 ♀ at D-4 feeder 9:41 orange ♂, dull red ♂, 1 ♀ at D-4. 12:59 pm 6 flew off

16 May 9:42 suddenly lots on line & feeding at D-4 & on landing. at least one juv. begging - has natal down on top of head. 3 ♂♂ red ♂, 1 orange. several ♀. One vermillion (orange-red) ♂ with feathers on face/head - in front of eyes, behind bill is bare 10:04 juv. calling incessantly - "seep" & fluttering wings. This one doesn't have natal down on head. One very pale yellow ♂ & a dull lightish orange ♂. 1:24 pm juv. with down at D-4 with 2 ♂♂ 4:44 - 2 orange ♂♂, 1 red ♂ (one orange one a bright blotch on Lt flanks).

17 May 10:44 am. a vivid vermillion ♂

19 May 2:09 pm dull red ♂ at D-4 it has a disarrangement of feathers at back of head, right side. 3:44 1 juv. (no natal down) begging & at D-4. 3:49 = 1 juv.

Carpodacus mex.

20 May, Del Norte St, Berkeley, Alameda Co Cal
12:13 1 red ♂ (1 with band on Lt. leg) & 3 ♀ types
22 May 3:23 1 red, 1 vermillion, 1 pale orange & 2 typical ♀ but with suffusion of yellow (pale) about head.
6:55 pm still slow feeding - Dredd-Mourbee feeder is muddy, no dry!
23 May 9:36 am. ♀ & orange ♂ (minimal coloration) with 2 juvs which are in to low intensity begging; no dawn is evident. The 4 at bird feeder with much squabbling. 9:44 2 ♂ (1 red, 1 orange) in flight fight 10' up & 8' out from feeder. faced each other, feet out. now, 9:50 2 red ♂♂. 9:54 now 4 red ♂, 1 ♀ 1 pale orange ♂. 10:01 only 1 red ♂ at feeders - others flew to S. This is typical — 10:10 3 ♀, 1 red ♂ squabble also but seem to displace at perch most. now another red ♂.
11:20 3 red ♂, 1 orange ♂ & 1 ♀ at feeder & line to house.
24 May Chirping / elec red band on Lt. foot.
3:43 red ♂ head up, tail up sing to & pursing a ♀, very aggressive, ♀ retreats. Have I ever seen H.F. copulate? Now at feeder.
4:03 1 orange ♂, 4 red. 6:01 pale orange ♂ being begged by juv.
25 May 1:34 bright red ♂ & ♀ on ledge both chirping - singing. 6:22 red ♂ AL band - Lt.!
6:48 dull, pale orange ♂ 6" from ♀ on line to ledge - then + 2 ♀ types. Then cadmium yellow ♂ on line chirping to self - white AL band Lt leg. First orange ♂ feeding juv = ♀ type plumage!

capadacus ma.

25 May, del Norte 25, Redbelly Alameda 9, cals 6:53 pm then a ♀ feeding (same?) juv.
27 May 7:10 am light rain. juv. begging & clumping to red ♂. No fed is once. seen as D-4.
28 May 11:26 red ♂ (AL band), a ♀ & a ? juv. to D-4 & line.
29 May 10:15 yellow-orange ♂ with AL band on Lt. leg. also 2 red ♂ (one with AL band on Lt. Leg). 12:43 ♂ light yellow-orange with AL band Lt. leg.
10 June lots of squabbling at feeder & lodge - 3 ♀♀ types & a red ♂ many chirps cheeps, etc.
11 June 11:45 am ♂ on line & in sky on pole across st. Have one singing.
18 June 11:42 am 2 ♀, 1 red (bright) ♂ & 2 pale orange ♂♂ (1 extensive orange, other more restricted to throat-head & much paler).
26 June 1:14 pm 3 red ♂♂, one ate & shelled oculite surf. seed also a very light red one - is this one changing from orange not handled so not sure! 3:30 2 red ♂♂ & 2 ♀♀ at D-4.
29 June 9:39 am ♂ & ♀ 2" apart on line - ♀ singing & fluttering wings to ♂. This seems to be a form of begging. 11:10 am 1 juv. with 2 spikes of down above eyes, calling "peeb" repeatedly - with a red ♂ & a ♀ - it begged to ♂. 11:49 am red ♂ AL band on Lt leg - ♀ & pale orange ♂ also. at D-4. 12:25 pm pale orange ♂ AL band Lt leg. 12:36 ♀ 8" from ♂ on line singing, bobbing tail up & down & on occasion fluttering wings away from body

1980

Carpodacus mex.

14 July, del Norte St. Park, Berkeley, Alameda Co, CA
10:48 am ♂ (red) & ♀ colbids in exact pasture is singing loudly while fluttering wings a bit to sides. Song rather mechanical & melodious as ♂ sang; the same quality. no reaction from ♂, both flew. 0-4 capty
16 July R+ AB and light orange ♂
16 July 4:30 pm 2 ♀♀ & 1 bright red ♂ & 1 lighter dull orange red feeding on landing with 2 dows.
30 July 6:30 pm mute towhees, doves, &c several ♀ & a pale ♂ mute AL band ht.
2 Aug 1 pm 1 juv. mute / tuft of natal down over right eye. Many ♀♀ feeding now & no bright red ♂.
3 Aug 11:16 am 2 molting orange ♂♂ & 1 not molting bright red ♂.
14 Aug 12:33 pm now = a fledgling juv. mute 2 down tufts over eyes, with mod ♂ with warm red chest.
25 Aug 10:33 am juv. mute down over eyes mute ♀; juvenile wings, but not fed
26 Aug 6:04 am juv begging from ♀ - fed.
27 Aug 9:37 am about 10 mixed squabbly - seems to be mainly ♀ types (including juvs. have only seen 1 bright red ♂ of late; several pale, molting ♂.
28 Aug 10:50 am juv. begging from ♀ & being fed! no down over eyes now.
31 Aug 8:24 am 5 ♀ types & 1 pale purplish-red ♂; 1 juv. calling & giving wings. to a ♀.
4 Sept 9 am fog, 4 or 5 ♀♀ types & 1 pale orangish ♂ not in molt (there has been rather) More ♀♀ (& or juvs) now, ♂♂ not in numbers.

Thurston
1990

Carpodacus mex.

4 Sept, Del Norte St., Berkeley, Alameda Co, CA
9:20 juv. calling & fluttering wings to a ♀ =begging. 11:14 5 ♀♀ squabbling at feed - calling, fighting & displacement of each other — the mutual & chickadees are frightened off.
14 Sept 3 ♀ types in at 10:32 am = 1 a juv.? Male & type plumages more than ever (?) before; no red ♂.
15 Sept 10:30 am off & on this am 3 ♀♀ type & 1 ♂ (dull pale reddish wicker) at D-4
24 Sept has been and feeding at D-4 & some times on banding - seems to be about 5 ♀ type plumage then at 10:47 am 3 ♂♂ at same time all about same color which is a light, dull purplish - red. No sign of molt in any
25 Sept 4:18 a ♀ feeding at D-4 feeder, but the upper breast has a faint hint of red - will have to watch it - a strange bird the HF in its coloration! No hint of molt.
10 Oct. 11:39 am first H.F. today ♀ on ledge.
12 Oct 10:46 3 in top of NW elm on bare branches — 2 ♀, 1 ♂. have been to feeder
11 Nov 3:50 pm — 50 min. after a filled up D-4 feeder (after 2 weeks empty) 2 ♂ 1 ♀ in feeding!
17 Nov. 10 am clear calm 4 into top of NW elm flew in high from N; 10:04 flew down together to Fitts (a chickadee at D-4 — first there this a.m.).
3 Dec 12:25 pm adv. ♂ & ♀ to D-4 first today
4 Dec 1:24 " same in only 2 now?
19 Dec 1:02 pm 2 ♀, 3 ♂♂ at feeder

1990-91 carpodacus mex

26 Dec. del Norte 25; Berkeley, Alameda 6. Calif
2:30 pm ♀ high in NW elm feeding on what appears to be buds on terminal branches.
27 Dec 3:36 pm clear. 6 feeding on buds NW elm
29 Dec 3:50 pm 4♀♀; 1♂ & 1? in NW elm.
5 Jan 91 10:05 am hazy; 2 in top NW elm, then flew — haven't seen them in today. Our last food consumption in past month is early dawn compared to early fall.
6 Jan 4:18 pm cast pair - ♂ red, not bright nor extensive as some; an orange ♂ & ♀ in cedar. There were about 7 earlier that flew S from NW elm. These don't "flock" but have a loose association & perch in Pittos together & perch in elm, etc.
11 Jan 10:20 am 6 in W elm - seem to be eating buds on top branches; 2 in top NW elm
16 Jan first of day at 11:08 ♂ (cf. Sitta).
23 Jan see Cooper hawk at t. Not in today
24 Jan 3:53 pm a ♂ & ♀ feeding avidly at Earlier many about now - 4 in top of elm - for 5.
25 Jan. 2:17 pm 2♂ & 2♀ at D-4 this pm
29 Jan 4:17 1 in NW elm among buds - name to feeder last several days. eating elsewhere?
30 Jan 1:21 pm ♂ & ♀ in nearest Pittos.
31 Jan 2+ feeding on landing with doves 1 ♀ to D-4, others in Pittos.
1 Feb ♂ & ♀ top NW elm briefly first this a.m. 11:29 " " at D-4; 1 fine color ♂ bright light red. Feeder not used much this winter.
2 Feb 11:14 light rain — 2♂♂, 4 ♀♀ at feeder.
1:31 3♂♂, 4+♀♀ feed & lodge. 2:27 10 in NW elm — then all but 4 flew off.

Carpodacus mex

3 Feb, del Norte 25, Berkeley, Alameda, Cal
3:44 6&5 D-4, mew is an orange ♂.
7 Feb. 3:50 sunny 2♀, 1 red ♂ throw out white sunfl. seeds + 1 Mex ♀ much verbal squabbling
9 Feb 12:22 pm ♂ & ♀ in New elm, 7' from to, S. side on ½"- diam. branches eating elm buds. almost no buds above them on branches. They are 4' apart.
11 Feb 10:14 am sunny 1 red ♂ high in New elm singing.
14 Feb 9:19 am high in New elm ♂ & ♀ side by side, another, ♀ 18" away, all feeding on elm buds, etc.
25 Feb they are feeding on samaras in the elms now so far to feeder.
26 Feb 2:47 pm so far today observed H.F in the elms & now to feeder the plenty of food in D-4.
27 Feb 2:29 light rain red ♂, 2♀ at D-4 & in Pittos. now in 8:15-10:30 am. 2:43 now 2 red ♂♂
1 Mar 11:15 am at D-4 2♀♀ & 2 red ♂♂. It appears to be 2 pair; so do they have long term mates? or is this pairing accidental? Now an extra ♀, so 3♀ & 2 ♂ at one time.
3 Mar 2 pm light sprinkles a ♂ & ♀ in for first time today to D-4. Now 2♀.
7 Mar 9:44 am a number (?) of H.F. feeding in the samaras of New elm 2 flew into Pittos - then back to elm now to D-4 in 1 hr. watching. 11:25 ♂ & ♀ at D-4.
8 Mar pale orange ♂ at D-4. 11:54 am have he in elm now at D-4 & now at D-4 & 1 red ♂

9 Mar., del Norte St., Berkeley, Alameda Co., CA
9:18 am 4 into top NW elm from SE.
10 Mar 9:51 no HF so far this a.m. 11:31 red ♂ at D-Y; then pale orange ♂, a ♀ and another = 4 flew to Pittos. Then 2 pale orange ♂♂. 3:52 6 at feeder. 4 ♂♂.
11 Mar. 9:59 am first HF to D-Y an orange ♂ a few have been in elm.
15 Mar = 3:06 pm clear, first song of season
18 Mar overcast 2 ♀, 1 red ♂ to D-Y; 1 top NW elm. 4:38 dull orange red ♂ & ♀ at D-Y. Heavily.
28 Mar 10:03 fog 4 in top NW elm & in to feed.
4 Apr several in this a.m. (11 am) a ♂ gave several "cher-ep" calls. No singing lately. 11:02 a ♂ & ♀ down on landing feeding. 11:30 Same singing now from top of NW elm! 1:45 2 flew to D-Y from S fast & direct and both are pale orange, lots of chirps
6 Apr 10 a.m. 2 ♂♂ feeding at D-Y both light orange, 1 a pale orange.
9 Apr 8:46 3 from SE to top NW elm briefly
12 Apr have been elsewhere, put new food in D-Y - 10:47 a pale orange-red ♂ & the color minimal on upper chest, & looks like molting. 12:15 red ♂ feeding at D-Y - where are ♀♀? 2:32 ♀ & orange-red ♂ = D-Y 3:06 ♂ feeding pale cadmium yellow-tawny orange down to stripes on mid chest making lots of calls "sss-et", & 1 syllables 3:08 now 2 pale and Y-O. 3:16 red ♂ & ♀ = D-Y. now 2 red ♂. 3:37 2 ♀♀ - 1 dad ♂ feeding much squabbling; another red ♂ shelling millet & lil. sunfl's. 3:45 1 high in NW elm.

Christmas
1991

Carpodacus mex.

12 Apr., Del Rado Ed., Berkeley, Alameda Co., Calif
4:35 with much squabbling = 1♀, 1 orange ♂
1 red ♂. None of the males are the deepred
seen in later season. several red ♂'s a
crimson 1/2 way to belly. 6:08 ♀ & orange ♂
13 Apr in all day - 7:05 sun above hang. 1♀, 1
orange ♂, 1 pale red ♂. much squabbling. —
14 Apr. have been feeding at D-4. 1:10 on
line ♂ & ♀. ♂ approached ♀ & may
have passed food - at least bills
touched.
15 Apr. 9:21 to D-4 = 1♀, 1 orange pale ♂ & 1 red
♂ squabbling.
17 Apr in all day. 4:56 clear several singing ♂'s
18 Apr 9:22 2 red ♂♂ at D-4 & on ledge.
♀ straight upright calling & fluttering
wings.
19 Apr 9:44 2 pairs squabbling & feeding
both ♂ brilliant red. 6:55 a ♀ & red ♂ who
has a series of calls, not song. full throated
on line at ledge - obviously not molting.
20 Apr 9:37 2 red ♂, 1♀ squabbling at D-4.
10:57 red ♂ on dead branch of Pittos 8' from
camera (have singing - no terminal buzz
like at least last year. 11:35 now several
orange ♂♂ in. 3:13 2 orange ♂ & 1♀ at D-4.
22 Apr 9:20 am 2 red ♂♂ & 2♀♀ at D-4
23 Apr 11:31 am dullest orange ♂ & ♀ in.
3:42 2 red ♂, 2♀ at D-4.
24 Apr light rain 10:40 am orange ♂ & ♀ at
D-4, more about. Now 2 red ♂♂ & several
♀ about - so much squabbling. 4:27 a red ♂,
a light orange ♂ & a new ♂ a light red - vermillion
red.

Olivitaun
1991

Carpodacus mex.

26 Apr. del Norte Co. Berkeley, Alameda Co. Calif.
10:10 ♂ at D-4. pale vermillion, lotsa spatty as if molting - reddish down to belly - how many ♂♂ are there?
10:53 red ♂ on line singing, it ♀ at D-4.
Then a pale orange ♂ - huge squeakables.
3:34 - at D-4: light red ♂, ♀ & light orange ♂
28 Apr 4:48 2 (♂ ♀) flying about in pale ocass sd. They have been to D-4 today - bad law.
29 Apr. 2:13 2 pr (with red ♂♂) flying about elm branch ups sr - 50' up s. Like a tree: They have been in to feed today.
2 May 11:20 bright red ♂ sing ♀ at landing.
5 May 2:10 pm 2 pale orange ♂ at D-4 with 1 ♀, squabbling!
13 May 8:56 1♀, 1 orange ♂, 1 red ♂. 9:08 3♀, 1 red ♂ at D-4. 9:47 on line 2 red ♂♂ (1 is a shade darker than other) & 1♀. 10:18 1 ♂ orange & looks like molting. 10:41 1♀ & 2 bright red ♂♂. 11:22 a red ♂ with aluminum band on Lt. leg. 4pm 2 red ♂, 1♀ no bands
15 May 2:26 ♀ on line at ledge corner singing but not as lyrical as ♂; then ♂ in (red) both ♀ D-4.
18 May 7:44 2 red ♂♂ 1 band on Lt leg. 10:19 2 pale orange ♂♂ one is slightly red. Can they change from orange to red without molting. Doves & finches are amenable 10+" on mine & feeding - no problems.
20 May 10:08 ♀ tail up, quivering wings to red ♂ on line. She looks like an adult - is this courtship feeding - no molt down.
22 May 11:17 Fag, a vermillion ♂ singing on the line - dessert have the terminal 'ha-de-do' phrase to its song.

Carpodacus mex.

26 May, del Norte St, Berkeley, Alameda Co., CA
♂ in alone feeding flew to trees NNW of the "circle". Nesting?

27 May 3:31 a very pale orange ♂ singing lots, close in today with the terminal "La-de da"

29 May 2 ♂ red, 1 light orange - 2 juv begging from ♀ no apparent remnants of down. 8:35 ♀ & pale orange ♂ at D-4 There are at least 2 pale orange ♂, 1 is molting & rather ragged. 10:53 love ♂ a pale vermillion ♂, in molt, at D-4.

18 June 10:10 am 7ag adult ♂ & juv with natal down on Lt. side of cranium line. 10:45 2 red ♂♂, 1 ♀ 11:07 2 ♀♀, 1 red ♂, 1 pale orange ♂. 12:57 3 red ♂♂ & 1 ♀ at D-4! 2:23 4 red ♂♂, 1 ♀ (1 ♂ AL band on Lt leg) 2:

19 June 8:34 juv. begging to ad red ♂ 12:01 = 1 ♀, 1 minimal pale orange-yellow ♂, and 5 red ♂♂ (1 vermilion red ♂ with aluminum band). Now 12:03 7 ♂♂ - 1 ♀ & 1 juv. 1:59 ♂ singing display to ♀ (red ♂) distance 2-3", head up bill open wide, body crouched & tail up tho not vertically.

21 June 8:59 ♂ red on line; 1 juv. quivering wings & being fed by ♂. 9:11 4 or 5 ♂ some red others very pale orange-red on line.

23 June a red ♂ with AL band. 2:10 very pale orange ♂ feeding Filled up D-4 Feeder yesterday.

24 June 8:57 2 red ♂♂ & 2 ♀♀ feeding. 11:13 3 red ♂♂, 1 ♀ & 1 juv.? flipping wings, does not go to D-4 with others. 11:38 red ♂ & ♀ on ledge 2" apart, ♂ twice gave short pecks at ♀ bill.

Carpodacus mex.

24 June, del Norte Co., Berkeley, Alameda Co. Calif
3:09 1 on line between Fitch's & oak, but a dusky over eyes & a sharp contrast of pale feathers & wing-bars - back & rump streaked gray. no yellow or base of bill.
26 June 3:39 Fog, 2 red ♂♂, 2 ♀ at D-4
8 July 9:05 am Lizzie & with left leg aluminum band a first for this 1, or a juv.?
1:06 1 yellow (-orange ♂); 1 vermilion ♂, 1 ♀.
2:08 2 red ♂, 2 ♀ at D-4 (filled this a.m.).
9 July 3:44 pm Fog all day: on line: 2 doves & 4 red H.F. & 1 ♀! there are 2 yellow O.-♂!
16 July 10:26 Fog. 3 ♂♂ (1 with aluminum band) - all 3 are most red although but a vermilion orange
19 July 9:31 am fog 2 juv. begging & being fed by ♀ - much calling.
20 July 9:24 D-4 pad down to 2" - in 1 week: an orange ♂ 'chewing' on a white surface. red. 11:55 am 2 ♂♂ ♀ at D-4 with 3 or ♂ all are a deep vermillion-orange, not the deep red. Do they change color after breeding? Guess these are molting.'
22 July 11 am - 3" of fog dep. 3 vermillion ♂♂ or ♂ at D-4. They do loose color-!
28 July 10:11 am fog juv. on ledge, fluff of natal down over it. eye/crown, its wailing monotones are note "cheap" calls.
30 July 9:28 red ♂ (Al band Lt leg) & ♀ feeding
3:40 2 ♂, 2 ♀ red
31 July 9:50 ♂ & ♀ on line with a begging juv between feeding cries & absent 'cheaps'.

Carpodacus mex.

31 July All juv 5 ♂ Salvador, Allsebrook, Col. 10:16 4 ± red ♂, 3 "♀" on line, ledge with much squabbling about D-4. 10:24 1 "♀" - 1 'sleeping' has a tan rump patch - juv. ♂ - ?

1 Aug ♀ on line at 8:50 with juv. on either side begging - using fruiting tr. 8:55 1 really shaky juv. at D-4 trying to figure out how to feed! Then 'shelling' millet. 9:24 ♀ on ledge mouthing a large white stuff. seed - food flown in D-4.

2 Aug. 9:59 am Foggy red ♂ with juv. (no noted dawn) same wing flips, but no essent 'cheep' calls.

5 Aug. 11:21 am 2 red ♂♂ on line (one with AL band - Lt leg) & older juv. flitting wings & calling. So far this a.m. total in 5 ♀♀ at one time & 4 or 5 ♂♂. Some molting.

6 Aug 9:16 am Foggy very pale juv. (?) a light buff (hint of pale orange), ♂ with AL band on Lt. leg.

10 Aug. 11 am 4 or 5 ♀♀ in this a.m. only 1 ♂ (dulled - molting).

12 Aug 12:22 clear. 4 or 5 ♀♀ at D-4 & a red ♂ in heavy body molt.

13 Aug at D-4 several ♀♀. Molting ♂ - with only red 1 spot lower breast on rt. side. 10:19 1 molting ♂ - (tail replacement) ♀ plumage but dull red rump, some red on crown patches on breast. other ♀ plumage except tail replacement, faint red on upper wing coverts only.

14 Aug 9:50 am about 7 or 8 feeding - impression of NOT molting the rest are. ♀ don't show it.

Calpodes rula.

14 Aug, del Norte Co. Berkeley Alameda Co. Cal
10:34 am acenar. dull vermillion ♂ with 2 juv., one with natal down over eyes so far no overt begging — latter / killing a hachol(large sumb.
16 Aug. 10:33 a juv. with large 'devil tufts' over eyes (natal down) — like an albino horned Lark. 10:56 am Tag 2 ♀ juvs. / with small spike over L eye. with an ad ♀ and an ♂.
19 Aug. 10:27 ♂ in heavy molt with AL hanging on Lt. leg.
23 Aug. 10:22 am 7-15 feeding / ♂ red scrub & spotted thrasher. Have not seen no bright red ♂♂, all molting.
26 Aug 3 dulled ♂♂, several & at 9:55 am Tag and a juv. with natal down "horns" over eyes.
27 Aug 8:46 am juv. (no natal down) begging from ♀. 9:35 am the juv with natal down in alum. Also 8 ± in to D-L all ♂♂ molting & dull red. 9:55 8 in top up 2 cedar & flew 5 — other high over alums, etc.
28 Aug. 9:14 am ½ Tag 4 in top up 2 cedars.
5 Sept 9:16 am dull vermillion ♂ with AL hand on Lt leg. have been 5 + in this area, 9:24 am 8 in decar to be juvs & ♀♀ 10:am 3 dulled ♂♂ on line — none with AL hand. 10:11 3 or 4 up in top Willow among leaves.
10 Sept 6:27 pm clear / singing near!
12 Sept 2 ad ♂ with light rosy colored breasts; 1 ad reddish-light molting; 1 ♀ or juv. plumage with a very light rosy color under stripes of breast.

16 Sept. del Norte E.H. Berkeley, Alameda Co. CA
about 10 ± about, most beyond nest same ♂♂ full red but its not bright, more of a dusky rose color.
20 Sept 9:11 am ad ♂ light vermillion-red with A+ hand an Lt leg.
13 Oct d. let the D-4 be empty for several days last week & no H.F. showed up. Filled it yesterday. Thus far today, & yesterday p.m. only 1 pale orange ♂ has shown up. The usual 10-12 have disappeared. Chickadees are hitting it very often.
18 Oct 5:53 p- only a few in, including a red ♂ with no tail behind crests!
25 Oct 10:20 am about same as last night more today than last week seen- 3½" of seeds in D-4.
7 Nov 3:37 pm ♂ on ledge- hand an Lt leg.
3 Dec 8:45 am only a few coming in to feed the last week +. Thistle 10 ± in tops of elms (also robins & waxwings.)
6 Dec 9:49 am clear - at least 7 + at D-4 & Pittos; most ♂ pale orange to dull red. They were perched high in up Eucalyptus elms
11 Dec 4:22 pm clear calm 1 dull red ♂, where have the 7-10 finches gone?
19 Dec 10:57 am clear, calm dull ♂ to D-4 several times then flew S. 7 in today. Seems 1 in several times a day & that's IT!
20 Dec 11:55 am 2 dull red ♂♂ at D-4.
21 Dec 10:06 am high cirrus & windy 1 dull red ♂ has been in. 10:08 pale orange ♂ top elm

21 Dec. Oldfield St. Glidden, Alameda Co. CA
11:01 a ♀ at D-4. then a rose colored ♂
2 Jan 3:52 pm 2 bright scarlet ♂♂ & 1
♀ at D-4, plus 1 dullish orange. total 3♂♂
6 Jan 9:20 am overcast. 7-10 feeding at
D-4 & on landing ♂♂ from feintest
orange to bright red. only 2♀♀ !
31 Jan 4:52 a really bright red ♂ in & ♀
in earlier. a few in every day!
3 Feb 4:22 pm at D-4 - 3♀, 1 orange ♂, 1 red ♂
4:34 8 in top 15'± of NW elm same seem to be
feeding on new buds!
1 Mar 5 in top of elms, then 2 from Pittos
joined them. These guys have a flocking
mechanism!
2 Mar 10:40 am ♂ feeding on green samara
near top of NW elm.
5 Mar 9:35 am overcast few sprinkles - 5 at
D-4 & Pittos with another 6+ in NW elm
feeding on elm buds or flowers or young
samaras total about 12.
8 Mar. 10:50 am sun. same where class in
one doing lots of singing.
12 Mar Fewer to D-4 during day & flew
off & on in NW elm ? feeding on samaras.
22 Mar 9:58 am overcast 6+ in lower portion
of NW elm feeding on buds or few remaining samaras; been at D-4 also this a.m.
24 Mar 2:17 pm cloudy 6 in top NW elm.
27 Mar 12:25 pm sunny ? feeding on dried samaras
? in lower ½ part of NW elm.
11 Apr 9:19 am overcast 2 red ♂♂ in
12 Apr overcast, 10:16 2♀, 1 dull red ♂, 1 bright red ♂
from S to Pittos; then D-4; all flew S again.

Thusitnaw
1992

carpodacus mex.

17 Apr., del Norte E., Berkeley, Alameda Co., Calif.
10:57 fair 45 min. at D-Q & landing - 2♂♂
1 red ♂, 1 dull orange ♂

22 Apr erratically about 4+ pale orange ♂♂
& ♀; several red males: earlier

23 Apr 10:53 am 3 from S to top of Med elm
in slow lazy flight. This sp. seen together
2 or 3 to 7+, but really don't see as
a flock. rarely is only 1 at D-Q, usually
3 to 6 or 5. 11:01 same singing dance in - in
elm?

29 Apr 9:10 have been: 2 red ♂♂ & 3 ♀♀
lots of squabbling.

5 May 12:36 sunny = 3 red ♂♂, 2 ♀♀ 1:17 -
1 ♀ & 1 ♂ - a very pale dull orange - yellow

7 May 11:09: 1 ♂ - bright vermilion & ♀
12:10 1 ♀ - ♂ displayed (minimal amount at
best), then a pale orange - not dull & its
singing; 2 ♂♂ ♀

23 May 10:14 at D-Q & on ledge a juv.
begging from red ♂ with lots of wing
flutters & insistent calling. another red
♂

27 May 11:35 am sunny juv. on ledge begging
from red ♂; no natal down & its gaping
by itself. 12:11 3 red ♂♂, 1 ♀ in. 4:12 the (?) juv
on landing all hunched up, tho attentive - this is
the 1 gapping! ♀ 1' away surveying situation
for several minutes. ♂ (juv.) fed briefly - some-
thing not right! 4:23 ♂ banged the
window - juv (?) flew to Pittosp. near D-Q.
4:25 its back - same spot then hopped 2' N
4:27 ♂ singing an itch from prostrate
Juv. & twice tried to mount it. 4:43 - 3 pr feeding

28 May, 1 Mont 25 Cubebe, 1 Manuela 6 9:36 1 ♂ feeding begging juv. other 1 ♂ about.

30 May 11:34 am fog 2 juv. (no natal down) begging a ♂

2 Jun 10:17 at D-4, fog, 2 ♂♂, ♀, before a light dull orange. 11:53 1 ♀ types light ♂ — juv. with natal down fluffs — 2 other juvs. same begging.

4 June 17 mon clear — juv. with natal down on head in feeding alone.

5 Jun 11:33 am running 3 red ♂♂ & 1 dull lite orange ♂.

18 Jun. 9:25 1 red ♂, 1 ♂ orange-red minimal color area. 10:22 a pale cadmium yellow ♂ on line. 4 pm 2 light cad. yellows — bright. 1 deep ♂ that with 2 ♀♀.

17 Jun 10 am ♀ ♂ & juv "dull red" (natal down).

21 June 10:52 fog, 2 ♀♀, 1 pale orange ♂ & 1 red ♂ who is trying to open up a white seed with his beak

21 June 9:44 am fog red ♂ on line with a large white seed eventually broke it up.

28 June 12:37 pm adults 2 dull orange ♂♂ & chewing away at white small seeds

3 July 3:35 pm sun 1 singing plainly, dress ♀

8 July 10 am juv. begging from red ♂, has no natal down.

10 July 10:15 am juv begging dull red ♂

11 July 9:45 9 + juv (1 bright extensive red, dull red ♂, pale orange ♂) 1 begging juv 11:11 1 bright red ♂♂ (almost real ♂)

14 July
10:12 am Fog dull orange ♂, ♀ & 2 juvs on line a fair spell (silver edge is away
22 July 4:03 pm dead hat juv begging & being fed by a fed ♂
21 July ♀ with head covering
27 July 1:56 pm a new juv. - with big "devil horns" of metal down over eyes!! at D+4 2 ♀♀ types & 1 red ♂ no begging
15 July 10:27 lots of finches (10+?) & much calling, displacement at D+4, they have eaten 3" of food since yesterday.
29 July 10:54 am 3 red ♂♂
6 Aug lots of feeding; most evident one bird looks to be a juv: with a small suffusion of yellow at top of breast.
1 Aug Fog 9:50 am 2 juvs a ♀♀, 1 red ♂
21 Aug several feeding at 9:17 and a juv with metal down top of head and legs.
22 Aug 3:29 1 in with a very light orange suffusion on upper breast. 1 red ♂ today
16 Oct 3:35 - clear 1 deep rose ♂, 1 tan - yellow ♂ & 1 light orange-rose ♂ at D-4.
14 Dec they still come to feed; a red ♂ with AL hardon left leg - perhaps old short of
5 Jan 93 12:44 2+♀; 1 pale orange ♂, 1 red ♂ (deep rose).
1 Feb 10:52 1 in top of NW elm - eating elm buds then flock to elms (W & NW) then to Pittos

25 Mar
light rain - few in today. 5:35 - 3 ♂♂ & 4 ♀♀ squabbling. all ♂♂ red of vary g degrees.

14 Apr 10:45 am averaged 3 pairs on line & at D-4. 2 red ♂♂ & 1 pale orange-red (most extensive).

11 June 7:30 am clear a juv with 2 "horns" (natal down) above ears - Lt much larger than Rt. 3:30 a juv with no natal down solicited feeding from ad ♀.

6 July fog 9:30 bats at D-4 - 1 a red ♂ with AL band on Rt leg.

4 Aug this week fog in a.m. same juvs in. 9:30 - 2 red ♂♂, 8 ♀ - juv plumage so 2 ♀ ± so six juvs. ? at least 3 with minimal natal down. 2 older juvs - 3 ±

7 Aug - 5 ♂♂; 1 very pale yellow.

3 May 94 3:35 pm almost arrived. a red ♂ regurgitating to a ♀ ad juv. - no natal down appearance - both then to D-4

16 May 3:25 clear windy. ♂ "bald head" is feeding juv. fluttering wings & no natal down on ledge for 45 sec. both flew.

18 May 10:56 clearing/fog. The brightest red ♂ in with a juv. with 2 spiky horns of natal down. ♂ in to feed juv on line 5' from house. Also pair in this a.m. a pale dull yellow; a ♂ that is orange & a duller red. so 4 ♂♂ of different colors & then ♀♀.

6 July 3 red ad ♂♂, 1 yellow. 1 juv. with tiny bit of natal down ± perhaps 3 other juvs.

19 Aug
6:01 - 1 juv. with 'devil ears' with ads.
22 Aug 3:45 ± seems to be 3 jays + 1 molting ♂, redcaps 1 female. 4 pm 3 juvs with ads mixing grooming to a pad. They are mauling large white snail shells with no results
23 Aug 8:32 pm 7 ad 1 juv. with long 'ears' of metal down begging from ♀
3 Feb 95 10:44 clear & feeding for first time on elm flowers which appeared early in Feb.
17 Feb several feeding today & on landing grasses at D-4.
19 Feb 6+ am clear first serious singing
5 Feb 96 have seen none in previous months.
7 Feb 7 og 9 am 1 arrange 1 at D-4, sky-flow
2 Mar 3 ± pm clear, 1 near top Ne dib, first in weeks
23 Mar clear 7:30 am heard first H.F. song. at 10 am a ♂ & ♀ in top of walnut. Still no H.F. to the feeder (D-4).
25 Mar 12:47 cumuli; ♀, then redo ♂ at D-4.
6 Apr 10:14 am clear: ♀ & redo ♂ at D-4.
28 May 3:50 pm hazy sun ♀ & 2 redo ♂ at D-4. have also seen once an orange ♂, 2 ♂ is new.
17 June suddenly HF everywhere. 2 redo ♂ Lots (6?) ♀ always — 1 with not all down on crown. Think 3 juvs. 1 did some begging briefly 1 orange ♂ (?).
19 June 10:49 am clear a pale yellow 1 is losing an outer edge of orb among leaves.
13 July 10:05 a clear juv. begging to ♂ redo ♂ wing flapping apparently. Laying with food

Westman
96-97 Carpodacus mex.

17 July
2 red ♂♂ at D-4, plus 2 juvs. one hindly begged from a ♂ 10:20 am Tag. 10:50 = 3 juvs. begging from ♂ on bike to Nue!

22 Mar 97 9:40 am fog pair at feeder - not many H.F. this winter. 3:11 scarlet-♂ singing - ♀ at D-4. Few songs for!

4 June 6:30 am, sun/cumulus = 1♀, 3♂♂ (graded reds, light scarlet, red & deeper red), plus 1 juv. with crown of filoplume 10:50 at D-4 ♂♂ & the juv. reloading.

28 June 9:40 am clear pair to D-4 and a juv. with natal down over each eye.

11 May 98 10:07 am clouds a juv. with ad at D-4 & on ledge - it has down spike over right eye!

Christmas
1989-90

cardaelis tristis

18 Feb., del Norte St., Berkeley, Alameda Co., Calif
10:17 am 3 flew into top 10' of NW elm —
tarnish yellow backs. flew off.
21 Feb. 1:27 pm 2 non-descript yellowish
into N end of W. elm 60' up or 15' from top. They
checked the flowers & then flew S.
26 Feb 10:26 fem ♀ landed in top of NW elm
for 45 sec., flew E. the first green "samaras"
appeared the day on sec. 12:40 pm 3 in W elm
feeding on the newly green samaras, the First
this year. 4' down from top of tree.
12 Mar one tan-yellow, no cap, in top of
W. elm briefly — first in some time.
11:06 — 4 or 5 with one orange & house
finch feeding near top of up SE elms.
13 Mar 10 am one (no black cap) in top of NW elm.
14 Mar 1:03 2 in W elm near top, + one more.
15 Mar 3:09 pm 1 first top of NW elm, then to
W elm briefly; then 3' from top feeding/samaras.
17 Mar 9:29 am 2 very dull ones near top, W. elm.
20 Mar 9:35 am one tarnish yellow up SE elms.
twice in day 1 bird in W elm. 3:51 pm 4 in W. elm
not apparently many samaras during present visit
21 Mar have been singles in W. elm 2 pm
three one with a suggestion of a black cap.
23 Mar 10:11 am one female, 5 or 6 in top of W
elm with 2 house finches.
22 Oct. what looked to be a female this sp
in top of NW elm briefly very pale yellow-
gray & wing bars flew NW height.
3 Feb 11:32 am daily 3 landed in top of
oak on vertical terminal branches. Flew
2 in top NW elm with 3 house finches
& one towhee. dull yellow dull grey
above.

Christman
1990

Carduelis tristis

17 Feb., Del Norte St., Berkeley, Alameda Co., CA
9:55 am clear 2 in top of NW elm. 11:54 a
lower in top branches of the russet tops.
11:06 a.m. 2 near top of NW elm where branches
do not leave buds upst, fee lower. 11:54
am one in north house finches, feeding
on millet on landing pale dirty olive
& dull yellow; very prominent white
wing bars. 2:33 one flew up from landing
to the D-4 feeder - on opposite side so
d couldn't see where it did. Finches
feeding at the time.
20 Feb drab littleone feeding on landing-
millet no lil. on head wing bars, at noon
- 2:24 its back feeding.
21 Feb 12:36 p.m. one has been in feeding on
land several times. Once it hilled peice of
a hull of a large sunfl seed.
28 Feb 11:41 am fog one on vertical oak branch.
3 Mar 9:24 a.m. 1 & a junco feeding on landing-
& a flock of 10-15 into tops of elms.
5 Mar 4:21 pm briefly one to D-4 feed to deck.
8 Mar 9:44 a.m. 3 into top NW elm, 30 sec. then
disappeared into new samaras 12'
lower in same tree. 10:52 am 1 in to D-4 feeder
with 2 house finches — then to landing &
feeding 4" from 2 towhees.
9 Mar 11 am 3 into top of NW elm, then 2
flew S. 2:55 pm at least 2 feeding on
vertical branches of oaks - olive back, one
dark one in Lores. Flew about up SE elms.
in oak hopping about including in canopy.
10 Mar 3:27 pm one on vertical oak branch.
11 Mar 4:33 one back to D-4 feeder, finches. drove
it off

Christman
1990 carduelis tristis

13 Mar., del Norte Co., Redwood, Alameda Co., Cal
9:30 am 6 flew in top of NW elm then the chainsaw started trimming again & they flew to NE. 12:59 pm 6 flew into 2nd elm with darker samara-buds.
15 Mar 8:33 am. about 5 from S into samaras near top of NW elm. The trimming no where near as severe as I had feared - still plenty. 10:06 about 10 into 2nd elm in top. Then short flights down.
16 Mar. 9:19 a.m. 15 from S into top 2nd elm - darker later samara development. Then 3 into top of NW elm. 10:07 2 flocks into top NW elm + 10 each. much flying about & change of limbs, especially to samaras in both trees where they overlap. 10:17 about 12 flew from elms to SE. Still a number changing position by short flights among samaras. They are nearly impossible to see — size & color. 1:49 a big long drawn out flight of 50 to N just over top of elms.
17 Mar. 9:26 am flew among the samaras
18 Mar 9:17 am 1 on line 5' from house, singing from feeding (3) if joined them. 9:30 am another individual black showing on forehead & yellow on face & upper breast - or 3:30 pm dark - small flock feeding near thimbleflew individuals & on next day in NW elm -
19 Mar 10:29 am one call flew near top of ~~elm~~ NW elm. 12:31 pm 4 in top NW elm. 3:57 pm 7 plus high NW elm, near feeding
20 Mar 1:43 pm a flock of 30 ± flew into same area of NW elm (S side mainly) very fast

Christmas
1990 carduelis tristis

20 Mar.
and descended only a bit. They immediately disappeared. Seem higher near top & are very yellow. Only an occasional one in high, exposed branches. There were only a few earlier today. There is also some short flights, shifting branches going on all the time
21 Mar 8:10 am flock of 15 ± descended from 5 in a crazy fast zig-zag fashion into 2nd elm 8:41 am 8 flew low from elms to S, circled & landed in top of upper elm. 9:12 am about 18 flew over elms from S, circled & returned S. Entire flock undulates. Flew at tree height 9:18 9 in top of far upper elm.: 1:13 8 in same spot but not same ones - just resting.
22 Mar. 12:35 pm 13 into top of NW elm from tree height; then 10-20' down to the samara area of same tree.
23 Mar 2:21 am several small flocks tumbled out of sky into tops of upper elms then into samaras
24 Mar. 10:09 unknown number in samaras on NW elm. Wide variation in amount of yellow present & forehead black. 12:07 pm fog - about 40 came in - most on top branches of upper elms still bare (where waiting were - see account); seem to be resting. 1:05 about 20 flew suddenly.
26 Mar 9:45 am clear, mush-street noise about 35-40 suddenly flew out of samaras (NW elm) to SW. They have been there all a.m., but not in these numbers
evident

Christmas
1990 Carduelis tristis

27 Mar., Del Norte St., Rockridge, Alameda Co., CA
8:35 a.m. tree trimming up St. Suddenly
30+ flew out of N elm, etc. to S — very
fast. Had seen them, but no indication
of their nearness — they are constantly
flying short distances — 3'-10' for
a new feeding location. 8:47 more
coming back — 3 & 5's, etc. 1:49 pm
fog coming in — about 60 flew S out of
Lamarias — still chain saws, etc. going.
2:22 much coming & going — dull & ♀ &
♂ acquiring yellow; one bright full yellow
♂. 2:45 All sheep-skinned & gone.
28 Mar 8:22 am first this a.m. flock of
30+ circling wildly about elms. Then
15+ into top of 2nd elm. 9 am 20 out
of N elms — trimmers of elms getting
closer. 3:49 17 flew into W elm — they top. 3:53
they flew up & circled; now 26. no feeding.
3:57 all but 8 flew
29 Mar They have been in W elm off & on all
day, but not great numbers. 4:20 p.m. fog
about 40 flew fast to S. Then saw at least
in N side of W elm 15' from top. There was
one more ♂. Then flew into middle of tree
— same height. Lighting poor — a dark bird
probably brown, streaks on breast not
bars. Rested there for 2 min then flew up
& to W. in typical F-F-S to nearly SW
and at good height. a small jun. Casper.
31 Mar 9:40 am fog; flock of 25 into top W elm
3 Apr 9:43 am small flocks just flew in.
4 Apr 12:22 pm only several in elms so far today
5 Apr 9:08 about a dozen flew in fast.

Christmas

1992-93 carduelis tristis

21 Mar
10:35 am outcast 12 in top of st. elms
just no samaras to feed on about here.
28 Mar 10:45 am 2 to top NW elm then flew down
apparently looking for samaras — if
there are any left. Samaras on elms on
Madoc St. near Soleno. These 2 had a
yellow cast — not pure yellow.
3 Apr 11:02 am clear / yellowish / high in NW elm
among nearly emerged leaves — no
samaras.
12 Feb 93 1:10 pm after fluffy cumuli
the finer goldfinches (two) in NW elm
the samaras are color-tan, not
yet green.
22 Feb outcast, 10:20 am off & on sprinkles
11 into top NW elm, which is now very
pale green patina, then down to feed.
10 Mar 3:30 a fast flash out of NW & 20
land in top NW elm, most flew after remain
These are the first I've seen since
above. where are they?!
11 Mar. fog then clear. 8:30 & 10:15 groups
feeding on samaras, much flying
about hide to hide; several flights
from trees (NW elm & W. elm) 11:15
a flight tumbled down overhead
fast rate W. elm. about 50±,
19 Mar see cooper's hawk 10:30 a
♀ on line 15" from house for several
minutes, flew off — watched chickadees
at D-4.
29 Mar more about last several days. Leaves
out a week, samaras have turned ashen.

Christmas
96

carduelis tristis

21 Mar.
Three has been occasional small flocks 5-12 ± in elms briefly then flew off.

21 Feb 97 10:45 am sun, cirrus overcast The elms have been in samaras for a week now. Now 5 this sp. in top of up wind elms. First of the year.
26 Feb 9:05 am many clear flocks (20 ±) into up wind elm.
6 Mar last 3 days flocks of 20 ± into elms to feed on samaras.
15 Mar 3:10 clouds a rush of 30 ± some to D-4 feeder & most to bare Linden tree at steps - at least ½ yellow. Now 4 at D-4 - 1 yellow, plus 1 at house finch.
16 Mar. 11 ish & 2 ish - clouds & showers twice they came in from NW elm to arb & esp. perched on bare Linden tree. & feeding on arb flowers for 5 minutes. 4 or 5 to D-4 feeder, briefly (did they 'know' feeders & sound here different food?) 0 or ½-⅔ yellow - others just touches of yellow.
19 Mar Samaras on elms about gone - is a thin tan-ochre color & no buds on Maples so + ½ elm still bare!
27 Mar 9:30 am bare fog. flock into up wind elms & 1 yellow, at D-4 feeder!

8 Mar '98 12:10 pm partly cloudy about 10 ± in top of NW elm - the new light green samaras have been out ± for a week
16 Mar 9:18 am clouds 1 (♀?) in pine no yellow
19 Mar 2:09 pm foggy flock of 50 + in elms -

Christman

1994-95 Carduelis tristis

10 Feb

a flock of 15 (+ or ?) in top Nw elm at 10:13 am EST, has been seen.

11 Feb 4:29 5 in top Nw elm eating opening buds — sp.?

1 Mar 7:14 pm clear, calm, tap Nw elm w/ buds is more in green than last — 1 part of a flock — wonderful! Fantastic.

2 Mar 9:02 am clear small flock in Nw elm

4 Mar 9:30 disjointed flock into top up Nw elm then down to feed 9:46 all suddenly flew 5 in compact flock same to here.

10 Mar 11 am fog. small flocks into the elms.

a cooper hawk made a pass — they flew off — at least 100, flew high circled

15 Mar 8:14 am SEE COOPER HAWK and?

10 Feb-95 12:20 some clouds, cool — 3 (+?) in among flowers of Nw elm apparently the first.

17 Feb 1 (+?) in today flowers opening in elm

19 " 3:26 pm clear, wind. 6+ mts have birds at top of Nw elm.

1 Mar 10:15 a.m. merlin flock of 75 (±) into top of Nw elm. Then much flying about — i.e. down to lampas. This is the largest flock seen here this year.

15 Mar G-f have been to Nw elm everyday in low numbers 5-15. A small percent have more than a touch of yellow. Now the tree is practically stripped of flowers (sorry have to use glasses on them. This is a strange year!

11 Mar 2:30 pm clouds — 5 in top of Nw elm — red carot stripe seem dark — Sp.?

18 Mar 9:55 am clear flocks of 15± to Nw elm briefly

Christmas
98

carduelis tristis

22 Mar.
1:54 partly cloudy, small flocks to & from samaras in NW elm. Some are completely yellow. Have not checked, but may be early this year.
30 Mar 10:44 am clear calls after in to NW elm — samaras 95% gone.
17 July 10:56 am clear; 1 ♂ at D-4 briefly flew to oak. This is first time I got a good look at it. Has been on edge of oak canopy & once at D-4 - last several days. could be juv. but doubt it. flew to SE
7 Feb. 1999 10:30 am light rain, 1 on line 8' from house, it flew to D-4 briefly, then S. It was dull gray, etc. tint of black above bill, hint of wing valid black.
13 Mar. 8:18 am cirrus. 2 - 20' from top of NW elm — briefly. Samaras have been out for a week ±, but very spotty in tree.
12:44 pm ♀ 12' up in pine, picking at base of cone cluster. uniform light buff-green back
18 Mar one green-gray in front yard - pine & apple
20 Mar 9:41 am clear 1 yellow was in top of NW elm (less than 5% in samaras).
21 Mar 10:54 am clouds. 7 flocks of 30 ± while over elms, few land. So few samaras thus far
24 Mar 9:39 am clouds. a flock (25 ±) flying in wild circles about NW elm — not yet fed. Heard
25 Mar 10:54 am clouds flocks of 50 ± from NW elm to S., have been small groups in & out for 30 min
30 Mar. 12:25 pm overcast, 2 yellow 50' in NW elm.
4 Apr clear, 3 ±, 7 ± in top of NW elm, most yellow
10 Mar 2000 9:20 am clear small flock into top ½ NW elm among samaras — first of year.

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tewittary."

Austin
1987

Passer domesticus

26 Aug. del Norte St. Berkeley, Alameda Co, CA
high fog, 12 noon one ♂ in nitte flashes
of white on head Bib — few have
been to feed for a month ±.

30 Oct. none seen since above.

11 Oct 4:10 pm daily ♂ in Pitosporum
with yellow at base of lower mandible.
4:39 flew off, it wanted to come in &
feed but intimidated by doves & towhees
flitted about Pitosporum, the power
line & landing to W. 12 pm clearing
20♂, 2♀ in Pitosporum hung about to come in.

10 Nov a ♀ in pittosporum calling
"pike" — finches, sparrow & house sparrow.

23 Mar 4:55 pm a ♂ down feeding with
2 doves & Bl. towhees. ♂ flew to Pittosp.
where it is sleeping 5:09 a ♂ near top of
oaks to far NW. Waxwings anxious about
the area also. Why the sudden appearance?

24 Mar 9:32 am 2 ♂♂ in feeding on ledge
& floor of landing. Then they fly into oak.
♂ in Pittos at 5:30 pm. Where are the ♀♀?

25 Mar. 11:48 one landed on line 10' from
house & hops up — one 4' — flight to
the ledge looking at the ledge & food.
Very cautious — then flew into oak.
another, in the Pittos. (?) calling their
2 part call note: chi-up (±) in Stokes.

29 Mar. 8:11 am 2 ♂♂ into feed one to new
hanging feeder — didn't like it. They flew
into oaks, foraging inside canopy & watched
one bill a ½" larvae; ate it, wiped bill.
9:02 ♂ in top of NW elm 5' from ♂ calling.
9:04 one ♂ onto ledge with C-b chickadee
9:57 am ♂ from E into elm then SW.

Christman
1988

29 Mar., Del Norte St., Berkeley, Alameda Co., Calif.
11:32 am ♂ on line, calling "Squeb" one syllible - 4:26 pm one ♂ in feeding
31 Mar ♂ briefly at ledge at 9:25 a.m., back at 9:38 shelling millet - at whole one larger seed.
1 Apr 11:14 am ♂ into feed no one else there
2 Apr 10:45 ± am a ♂ in briefly; flying about
4 Apr 11 am robin singing on ledge - ♂ landed 6" from it. flew when robin flew.
5 Apr 11:55 am ♂ to wire baps to ledge to landing to feed. ♂ has numerous streaks of black below the bib mark.
6 Apr. On Solano ave. most on ground entirely dead grass. Many in about "Park & Shop", etc.
16 Apr 3:48 ♂ & ♀ into feed. ♂ upright perky
17 Apr 10:33 am ♂ on line 8' from house, looped & flew up to ledge & down to feed cautious. flew. 2 pm ♂ in.
18 Apr. ♂ in once.
17 May ♂ in to feed
18 May in often, saw flycatching (a bee) once 7:36
19 May ♂ in at 6:30 am - is he feeding young ones or what - bacon seen a ♀. 3:34 pm ♀ came in with ♂ this time (its tail is bent).
20 May 8 am ♂ & ♀ in (latter much less).
7:44 pm sun just down ♀ in alone - on ledge at d. line; H.F. busy at tube at feeder, the ♀ E.S. looked about lots, then down to the landing to feed. Never seen on at the feeder yet. They are ground feeders
21 May 9 am ♀ in alone; left in at 10 am -
23 May 11:12 am ♂ in feeding it carefully shells the millet seeds, not the sunflowers.

Christman
1988

Passer domesticus

23 May, Del Norte St. Berkeley Alameda Co. Caly
The hill works up & down, for 1-2 seconds & the bushes fill. ♂ & ♀ in at mid-day - not together tho. & they fly NW around the elms.

26 May ♂ in several times

30 May 10:24 am 2 ♀ plumage, one in to feed after preening, other using head scratching.
11:05 am ♂ into feed, flew into NW elm.
12:09 pm ♀ foraging on 1/4" limb on edge of canopy of oak near top - then to landing.
12:23 pm ♀ with another ♀ type - is this a juv. feather rather ragged & corners of mouth a bit yellow. 2:10 pm ♂ in

31 May 9:20 am juv. on line with 1 dove & 2 house finches.

7 June 9:49 am juv. quivering wings to an ad ♀ who feeds it. juv. flew into Pittos - several house finches about. ♀ makes repeated trips to feed the juv. ♂ in at 10:45 am. ♀ to oak its foraging from branches in & just outside of canopy. fairly stationary, but it is flipping its tail up & down, ~1 inch per flick.

9 June 11:07 pm ♀ feeding a begging juv. in Pittos. ♂ in many times in pm & 2 ♀♀ types (ad & juv?)
3:33 pm 2 ad ♂; 1 ♀ type ! a bigger, chiefer?
3:49 now 3 ad ♂

10 June 10:44 am ♂ & ♀ in oak, then flew S - a chase? Then ♂ in to feed

15 June 9 am 2 ♂, brief aerial fight & dodge in with finches. 3:03 pm 3 ♂, 3 or 4 ♀ and/or juvs.

27 June ♂ several times; flank & belly feathers nursed up

Christmas
1988

Passer domesticus

1 July del Norte St., Berkeley, Alameda, CA
♂ in numerous times 9–10 am its
belly feathers all soiled dark & messed up.
7 July a nice ♂ with posterior edge of bib
smooth black & solyte — different
individual from the other one that
has been around for month, plus.
8 July shaggy belly ♂ & ♀ near 11:15 am
9 July 10:25 am ♂ & ♀ in separately. ♂ is
the one with disarranged belly & flank
feathers & streaks of black ventrioposterior
from black bib. Then a juv. in molt
(?) really weathered beaten looks, fewer
tail feathers, but a few bright chestnut
stripes on back and a hint of a black
chin — otherwise ♀ type plumage.
20 July 8:21 am 2 ♂
12 Aug about once a day a shaggie
bellied ♂ into feed lately; no ♀ or juv.
13 Aug. 12:02 pm ♀ into feeder is it a juv.?
on landing with H. Finches. 12:06 2 ♂♂
40' up in NW elm hopping about on 1/8"
branches among the yellow leaves.
20 Sept. ♀ in alone to feed, no one else,
about was in Pittos.
21 Sept 9:45 am ♀ back again. 9:53 it flew
& landed close (12") to Bl. towhee, which chased
it, sparrow flew 7' to ceiling. It flew to
feed again 3' from towhee.
23 Sept 11:15 am ♀ into feed with several
House finches. A ♂ in briefly — very shy —
ends of bib feathers white to a strange look.
5 Oct 9:31 am big ♂ with white on bib came
in & landed on ceiling with 3 others. into feed

Passer domesticus

14 Oct., Del Norte St., Berkeley, Alameda Co., CA
a ♂ & ♀ came in from NW at 9:31 am in a fast, swooping flight into Pittos in top — under leaves, looking at landing & feed. one chirp.
19 Oct 10:10 am a ♂ (white flecked bib) & a ♀ in Pittos. under cover. Gr. tree lice feeding — they came in. very shy.
12:17 pm ♀ in but saw me & flew back to Pittos., it also called loudly for awhile.
25 Oct 10:20 am ♂ in Pittos with a number of house finches feeding at feeder & on the landing. It came in to feed with doves
26 Oct 9:57 am one ♂ with 4 doves feeding.
29 Oct 9:24 am ♂ into Pittos, in yesterday. Throat black, the bib on breast = all feathers are edged with white.
3 Nov 8:21 am lone ♀ in with same House Finches
14 Nov. ♀ with ♀ house finch in Pittos. & came in to feed on landing. Haven't seen this sp. at the feeder. Very frighty, I coughed & the 2 birds flew to Pittos

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18 Apr 89 9:25 am ♀ in feeding with dove. Then a ♂ avidly gleaning. Here on & off all afternoon.
19 Apr 8:50 am ♀ in to feed. 6:42 ♂ in to feed
20 Apr 8:25 am ♀ in feeding ♂ in at 9:26
9:30 am ♀ in with another ♀ type plumage - a juv.
? seems to have a few white feathers on back.
10:09 - larger ♀ collecting downy feathers in bill with much shaking & trying to get many, then smaller ♀ type picked up one feather & both flew to Pittos. 11:40 am on line ♂, ♀ & ♀ type.

Christman
1989

Passer domesticus

21 apr., Del Norte St., Berkeley, Alameda Co., CA
9:20 am ♀ in first then ♂ seen to arrive from N. 9:41 am pair side by side on line 8' from ledge; ♀ shot to ledge, then ♂ & down to feed. Two hrs ♯ H. finches about
9:09 am race ♂ 9:50 ♂ at back feeder that hasn't had food in many months also ♀ hovering under eves looking for spiders — have seen this before.
4:46 pm dear, ♂ in. — has been off ♯ on all day.
24 Apr 9:22 am rain, ♂ with a larvae in bill came in ♯ picked up seed & millets flew 5. They have appeared every day now.
27 Apr. 7 pm ♀ perched on feeder (2 ♀) as doves feed below.
28 Apr 11:14 am ♀ in several times and each time with bill in
29 Apr ♀ off ♯ on all day with stuff in bill
6 May ♀ has been in; no sign of ♂
27 May 9 am ♂ ♯ ♀ in to feed with H. finches but not at the same time. 2 pm ♂ in alone — afew H. F. absent. They were in together earlier.
28 May ♂ & ♀ in early, then ♀ in & out several times at 3± pm. clumsy, etc but going in.
30 May 9 am ♀ in alone to feed.
5 June ♀ in alone to feed at 9:46 am.
9 June ♀ alone but at feeder with 2 house finches — flew N.E.
11 June 9:34 am ♀ in to feed with H.F. She has been in several times a day lately. ♂ — ?
30 June 8:03 am New arrival. ♂ on end of branches of oak N side high. Hovered before landing.
11:25 am ♀ into feed, alone.

Passer domesticus

1 July, del Norte St, Berkeley, Alameda Co, Cal.
2:58 pm ♂ onto ledge (House finch feeding tray) he flew to oak & was on vertical branches on N side for several minutes.
3 July 12:49 pm ♂ on end of vertical branch in the oak. 3 + perches flies between perches, 3:40 pm ♂ in alone to feed.
4 July 11:15 am ♂ again in oak - ends of branches & like towhees & jays has troubles negotiating between branches & leaves clumsy & per unit time few changes of perches.
5 July 9:50 am ♂ & ♀ in together (♂ in at 8:30 alone).
6 July 9 am ♀ on D-4 feeder with several house finches - I believe this is fewer than I have seen on a feeder for this sp. ♂ on landing with ♀ at 9:55 a.m. Heis pecky
7 July 12:40 pm ♂ in oak on end of vertical branches ♂ & 20' away in live oak tree in vertical branches - I can appreciate the stems better because leaves are farther apart.
20 July 9:50 am ♀ foraging - branch to branch on branches 1/8 - 1/2" on S side of NW elm 50' up. This is foraging for it is gleaning - although seen foraging in the oaks the leaves are closer together & this sp. has troubles hopping about but in elm leaves are farther apart - few sp. forage in the elms!
26 July 8:30 am ♀ in with several house finches
28 July ♀ in off & on all day - alone.
4:23 pm ♂ with heavy black streaks distal to bib

1989-90 Passer domesticus

24 aug., del Norte St., Berkeley, Alameda Co., Cal
6:40 am clear ♂ on landing / heavy molt
then a ♀ - no apparent molt.
25 Aug 9:19 am 2 ♀, 1 ♂ (in molt)
26 Aug 4:08 pm ♂ in feeding alone on
landing - have d ecec seen one on a
feeder?
28 Aug 1:05 pm molting ♂ in to fed, flew to N.
6 Sept 10:15 am fog ♂ on line with house
finches; black specks pasteriar of bl. bill
3 Oct. 8:55 am ♂ on line 4' from house
throat black, bill very indistinct - bl.
is fleshed to a gray, to Pittos
31 Oct 11:07 am ♂ on line 6' from house, the
bill is fleshed with white & no stripes below
the bill. good plumage, flew down to yard.

28 Jan 9:58 am a ♂ with very short tail in top
of a sp. St. elm. 1990
11 Apr a ♂ on line next to Pittos. at 9:22
then ♀, ♂ into Pittos. ♀ to ledge & to foot
& have been foraging in oaks, and to &
fro to Nut elm. Same hovering for
surface gleaning. and short 3' flights
to new area. See Oak acct. are they feeding
on oak caterpillers? 9:09 ♂ on line
next to Pittos - into oak. 10:07 ♂ feeding
in dense canopy - it has streaks pasteriar
of "bib." Saw 2 ♂♂ feeding in dense
canopy - they meander about lots, but
clamber about shaking branches
cf. Starling acct. The size of bird in
relation to foraging techniques in oaks.
almost all this sp. which I have seen after
foraging fly E and house - nesting?

1990 Passer domesticus

11 Apr., Del Norte St. Berkeley, Alameda Co., Calif.
11:30 + ♀ on wires on the way covered top of utility pole across St. or least 3 individuals have been in the area 3:54 pm ♂ on wires adjacent (6") to large utility pole across St.
12 Apr from E into area this large bird at 10:40 am but can't see them in dense foliage. General flying area to N & NE — Think this sp. 12:45 mark H.S. chattering in area in headyard 1:51 over house from E to Pitos (top) then to area — 3 chattering on arrival quiet while foraging. 2:02 pm ♂ from NW to top of Walnut for 15 sec. then to E. 2:56 1 ♂ in area to line another (sexy?), both to N. 3:09 another ♂ top of Walnut. There are at least 4, perhaps 6
13 Apr 8:18 am ♀ hopping about horizontal cedar branch among clustered needles. 8:24 am 1 ♂ into ledge, then down to seeds; then another ♂ with a — ½" caterpillar in bill — both flew off to N. 8:35 ♂ to seeds briefly then to area 9 am, 2 times (on top utility pole of circle & another 20' away on line, flew N. 9:13 — no starlings in area for 25 minutes now. 11:13 am. ♀ & others in NW elm at lower level — why? suddenly house sparrows are here in numbers — (at least 2 pairs) and they have checked out the landing pad, but they are not filling up.
11:52 ♂ on line; ♀ to ledge where it rearranged an entire bill full of green leaves. 2:59 pm ♀ flew out of area into hills full of leaves — flew E & NE

Passer domesticus

13 Apr., dd Nortes Sr., Berkeley, Alameda Co., Cal
2:56 pm ♀ eating seeds. Shelling midst
3:00 ♀ on ledge with 4 or 5 green caterpillars
dropped all but one which it ran
back & forth between bills — to kill
it? flew back to oaks
14 Apr 9:07 am ♀ on ledge with bill full of
green larvae > 1/2" dropped some to kill
some "whole" ones. 10:30 ♀ on ledge & with
a bill full of larvae also picked up a 1/2"
square piece of bread & flew E. 11:06, 2
♂ feeding on seeds - d think the same
- or ? 3 pair. 1 ♀ took a piece of white
bread, shook her head brushing it in
two then mashed the fresh bread with
bill, swallowed, same to remaining
bits.
15 Apr 2 ♀ 1 ♂ on street at 8:20 am. none
in ♂ auto/oaks - larvae in bill of ♀.
9:42 am. ♂ to ledge, dropped a limp caterp.
and killed and to end another which app-
eared to be swallowed, picked up the
flaccid caterpillar & flew around house
to E. Much coming & going of H.S. to &
from oaks. Mate fly E, one pair ? fly N.
16 Apr. House finches on line, ledge & at D-4
feeder. ♀ Passer to ledge & down to seeds -
This sp. has been continually coming
& going to oaks to feed on larvae (SEE
Storms acc't.) will this sp. bring in
fledglings to oaks or seeds? Or will they
skip? (to seeds i.e.). These guys are
amazing in their flight abilities. They fly
over the house & plummet into the oak

16 apr. del Norte Co., Berkeley, Alameda Co., Calif. at full speed — disappearing with no breaking to land — so they are flying between canopy-branches & landing on branches within the dense canopy. They can not be seen while foraging — sit and in the canopy. 12:44 pm ♂ on line near Pittos. with 2 central feathers of hand-tail in bill — flew E. 1:25 — 3 flew into upper limbs of nr elm. 2:33 ♀ to landing — picked up same millet.

17 apr. 9:11 am so far have seen more in oaks in 1 hr. watching. 1:51 still no H. sparrow-

18 apr have in oak in 4 hrs. 7:14 ♀ to ledge briefly to S; then to line "creeping" flew.

19 apr 9:41 am ♀ in to feed at landing. 2:34 pm ♀ to ledge briefly. 3:57 pm ♀ 14" from dane while scrub J at landing. Have seen no House Sp. in oak for few days now.

20 apr 8:59 ♀ in briefly. 2:21 same.

21 apr 8:56 am ♂ with larvae in bill to ledge 14" from Br. tanhee looked at reeds but flew off to SE.

22 apr 10:45 am ♀ on line 18' from house, flew N into Pittos.

23 apr. 2 on line 8' from house at 8:19 am ♂ at street level at 8:15 a.m. 2:40 pm ♂ on line 25' from house; into oak.

24 apr ♂ seen several times at Sr. level 2:30 pm saw 3 ♂♂ on sidewalk.

25 apr 2:35 pm 1 ♂ 20" from ivy pole on line, flew N. 4 pm ♂ 10' from house to NW.

26 apr 1:11 pm ♂ from E dove down to line 1' from oak

Christmas
1990 Passer domesticus

27 apr., del Norte st., Berkeley, Alameda Co., CA
1:30 ♀ from E onto line thru into oak
2:43 ♀ into oak from E. 2:47 ♂ on line
then to oaks.
28 apr ♀ to feeder, where H. Finches
have been, saw one ♂ flew NW. 11:49
lots of "cheeping" in oak in back yard
esp. ♂ in leaf clusters.
29 apr 10:17 am ♀ to seeds then line, this
is very shy bird. 11 am ♀ at D-4 feeder
- displaced by ♀ house finch. at least
3 foraging in oak. 11:30 a.m. on middle
part of landing 1 tawhee, 1 ♀ H.S. and
the first fledgeling H.S. to appear -
tail rather short, ♀ type plumage &
corner of mouth yellow & cheeping
continuously. Was experimenting
picking up & dropping seeds 11:39 2
♀♀ & 1 juv. at N. ledge. juv. cheeping.
juv. flew up into Pittos - 4 or 5 House finches
have been about. No sign that it is
being fed by adults - yet. 12:40 one
juv. calling & chewing on thistle - davis
back like same one flew to Pittos. 12:44
ad ♀ on ledge & line, shy, minor feeding
1:04 a ♂ & ♀ into feed; ♂ sky. 3:53 ♀ on line,
♂ on line and 2d. H.S. are now part of the
local avifauna - began abruptly. Where
are they nesting?
30 apr 9:40 am both a ♀ & ♂ in to ledge
& feeding with house-finches. 9:02 juv.
on line (cheeping yellow lower mandible
& corners, short tail & all rounded
up) ♂ land 5" away, crowded it, flew

Duistrean 13
1990 Passer domesticus

30 apr.; del Norte Co., Berkeley, Alameda Co., CA
9:05 am ♀ in to feed, up right, long neck very alert, "perky" as opposed to ♀ plumaged juv. 9:20 ♀ to D-♀ feeder then to landing & seeds. This sp. can go to feeder, but prefer to feed on seeds on a flat surface.
1 May 8:53 ♂ into Pittos, then line & off-?
3 May 4:25 first today ♂ in Pittos.
5 May 3:09 pm ♀ in for seeds.
8 May 1:45 ♀ on ledge; 1:55 ♂ flew over from NW.
14 May 9:34 am ♂ high in cedar, from NW.
10:01 am ♂ flitting about lower cedar branches almost like a warbler.
18 May 10:08 am fog ♀ in to feed (♀ in yesterday p.m. also).
19 May 2:10 ♀ at D-♀ suet 2 ♂, 1 ♀ House finch flew out & to E. Will they bring in fledglings?
26 May 11:29 am ♂ in tap of sab, changed site several times among vertical branchlets
27 May 10:32 am seen stopped ♂ on line, took
28 May 12:33 pm. sunny ♀ in to feed.
29 May 1:21 pm ♀ in to feed. 4:07 ♀ in to feed
2 June 4:55 a pair in 7 pm 3 ♀ types in-very shy.
3 June 9:53 am ♂ & ♀ in to feed. 9:44 am ♀ flew into acks to feed in company with a few * juvenilis. 1:52 pm 2 ♀ in. Shy, saw me, flew
6 June 9 am ♀ briefly at feeder. 12:38 pm ♀ heads to D-♀ feeder also ♀ House finch. 1:31 ♀ again at feeder, shelling something.
7 June 8:17 am ♀ in alone. 11:33 am ♀ at feeder
8 June 10:31 am ♀ in with several H. finches
9 June 10:35 ♀ in several times.

1990-91 Passer dom.

11 June, del Monte Sl. Berkeley, Alameda Co CA
9:17 am ♀ in briefly - very shy.
13 June 8:45 am ♀ in " .
25 June 11:59 am ♂ & ♀ in to feed (♂ has streaks pattern to bill.)
27 June 10:32 am ♀ on ledge (was in yesterday).
28 June 8:21 am ♀ " " .
1 July 9:35 am 1 ♂ on line across St. & on ledge.
2 July 8:37 am ♂ & 2 ♀♀ types - just 1 the first ♀♀ lately, i.e. more than 1.
12 July 9:05 am ♀ in to feed, then a second ♀
17 July 8:25 am ♀ " " "
27 July 3:30 pm ♀ " " "
30 July 8:14 am ♂ feeding a begging juv. is calling insistently.
18 Sept 4:08 pm — ♀ at D-4 with ♀ H.F.
24 Sept 10:39 am 5+ finishes feeding, then a unique passerd. in, ♂ with black chin ring bib & feathers on head arranged as almost a crest!

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31 Jan '91 a ♀ in Pittos. several finishes feast
4 Apr 8:05 am ♂ & ♀ on line 10'+ from leaves; ♀ into oaks, ♂ stayed below: ♂ flew into Pittos & twelve chased it out & into oaks ♂ at D-4 feeder with ♂ House finch. 8:08 ♂ & ♀ on ledge & in to feed.
5 Apr 8:58 am ♀ into ledge & landing.
8 Apr 4:31 pm ♂ on line adjacent to oaks - was it from oaks?
9 Apr 6:18 am ♂ & ♀ on line, into oaks, watch till wiping. 8:53 ♀ fast into tapalocks then to lower part of NW elm. Watch I suspect this sp. maybe mates on insect feeder than seed eats

10 Apr., Oldmacks St., Berkeley, Alameda Co CA
8:38 2 ♀ on line & in Pittos (from Dab) to landing & another to D-4. They show up when leaves on oaks mature!
11 Apr 9:16 at least 2 feeding in oaks. They form a pattern - flying in from one house pair E at breakneck speed thru open areas in canopy. They forage completely in the inner canopy out of my view though I can see branches move as they progress thru canopy or short 3-4' flights to new location. Have not seen normal winter feeders in the oaks of late - Regulus, Chickadee
12 Apr 10:30 a ♂ from S to top NW Dm briefly, a few feet into oaks - really can't see them very well. 10:43 another ♂ high in NW elm - was a ♀ - so they are flying about - and high. 11:46 ♀ near top of NW elm briefly. 12:24 ♂ in oaks dist E, flew E followed by 3 others! 12:25 I returned. Are they feeding young? 1:03 ♂ flowing thru canopy of oaks they are carrying something in bill & when flying E over house. 1:24 I ♂ to ledge briefly. 2:32 ♂ at D-4 with 2 House finches. 2:42 more in oaks with twitters. 6:35 ♂ in oaks
14 Apr 9:42 am have been 7 number feeding in oak, a ♂ just flew N side to SE side saw small green larvae. ♀ briefly to D-4. 2:38 - ♀ feeding at D-4 with 1 House finch Finches are too aggressive & so are H.S. away.
15 Apr. 9:22 have been flying into oaks from over house & returning. Saw ♀♀.

Passerdom.

13 Apr., del Norte Co., Berkeley, Alameda Co., CA
8:54 ♀ at D-4 with several house finches. 9:10 ♀ back at D-4 rather clumsy.

16 Apr 9:52 am ♀ at D-4, clumsy on hop-flights between perches. another ♀ from oak to vertical (almost) branch of Pittos. with ~ ½" green larvae, flew to W.

17 Apr 8:37 ♀ to D-4 has nest finished in also

18 Apr 8:26 ♀ in SE part of oaks, has with small green larvae. 11:20 ♀ in oak - it "hulls" its way thru leaves shaking entire clumps of leaves larvae in bill.

19 Apr. 9:44 1 ♀ to D-4. 10:16 ♂ on line across to ledge to oaks. coming & going from oaks. 10:35 1 pairs to high in NW elm - 5' from top; a ♂ 10:45 am ♀ to ledge with larvae in bill. then down & back up on ledge. dropped larvae picked up some millet seeds & picked up 3 larvae & flew E. 11:41 — 2 ♀♀ in to ledge. 1 had a feather (contour) in bill. 1:37 ♂ feeding in oak.

20 Apr. 9:04 a.m. flying into oaks & 1 ♀ to seeds on landing. 9:14 2 ♀ at seeds & 1 on line. where are ♂ — on nests? 9:41 first ♂ seen, from warehouse from E into oaks. 1 ♂ with larvae in bill on ledge, flew up and house 9:57 ♂ to ledge & seeds on landing then to oaks where it hawked briefly to glean a small larvae from oak clusters. More H.Y. activity today than before, this year. 10:09 short bouts of aggressive hover-gleaning, both ♂ & ♀ in oak. 11:18 2 ♂ on line — 1 has 5mm of seeds thin streaks below bill

Passerdom.

20 apr. Del Norte St., Berkeley, Alameda Co., CA
These guys fly into cars like small flying bombs! (6 ounces) for a small bird a very strong fast flier. 12:35 a ♂ with a discrete edge to bib tho a bit scalloped.

21 apr. 1120 Mac H.S. activity lately than all other birds put together. 2:02 ♂ from ledge to D-4

22 apr 1 ♂, 1 ♀ at 7:15 am in gutter & S.
Only flew into aab w fecal 9:30.

23 apr 11:27 am several have been feeding in aab. They are very aggressive feeders & jerk brainchlettes about as much as a towhee does. Short flights far more frequently than towhees.
4:19 ♀ in to feed.

24 apr flying into aab from E at 8:30. There seems to be 3 or 4 pairs. 11:02 a ♂ in to feed - very small bib (wide, i.e.).

26 apr 1:13 pm ♂ in alone; ♀ earlier this a.m.
No more mass feeding in aab.

27 apr 9:29 am ♂ in several times 1:04 pm 2 ♀♀, 1 ♂ to line from treehouse, ♂ & a ♀ flew SW.

28 apr 11:09 ♂ at D-4 twice, briefly. - several have been in and obviously feeding in the aab. 4:57 ♂ on line next to aab, dancing along line pecking at leaves - what a character!

29 apr 9:54 several in feeding, cheeping loudly.

1 May 11 am so far none in today in aab.

2 May 10 am. ♀ to N landing with 1 juv. which is doing lots of cheeping - that juv. to line. ♀ feeding with juv. no begging 11:15 back again - corners of mouth fleshy edge

1991-92 Pasadenas.

2 May, delivered to Berkeley, Alameda Co. CA.
3 pm ♀ & juv. hacks - juv. clamping, both feeding
6 May 9:22 ♀ in to feed.
25 May 10:15 am ♀, perch exer, in to feed.
18 July 2:12 pm sunny ♂ foraging in NW elm 50' up on S side on 3/8" branch among leaves
21 July 4:36 pm ♂ in very briefly, flew S.
25 July 10:40 am ♀ on line briefly with 2 H.F.
29 July Solano ave. a ♀ flycatching, 40' & 10' from utility pole - harassed briefly
3 Oct 9:02 a.m. clear. ♂ & 2 others flew into top of NW elm fast & high from W.
25 Oct 9:53 am overcast - ♂ on line 6' from house then to canopy - rain last night

16 Feb 10:02 am ♂ on line with 2 ♂ H. Finches
14 Mar 7:09 am in light rain a ♂ & ♀ in to feed they were calling earlier.
13 Mar 3:42 pm sunny ♂ at N ledge down to feed
4 Apr ♂ & ♀ on line 8' from house, in to feed.
10 Apr 4:49 overcast ♀ on line 8' from oak was in oak? birds going in & disappearing.
11 Apr 9:32 am overcast ♂ on line, then along ledge & down to feed. 12:27 ♂ from NW to line, return.
13 Apr 8 am ♂ at D-♀ briefly! 10:20 ♂ & ♀ on line near house. ♂ flew NW. 1:05 ♂ on line, briefly at D-♀; flew low NW; something in its bill.
14 Apr 9:46 am ♂ to D-♀ very briefly. 9:52 to landing 10 sec + flew NW stuff in bill. 10:52 again in
15 Apr 10:21 overcast. ♂ on line with 2 H. finches
17 Apr 10:02 overcast, ♂ in to landing briefly.
20 Apr 7 am ♂ on landing feeding.
4 May 8:07 am Tag ♂ in to feed.

Passer domes.

5 May
1:30 ♀ on landing & at D-4 accompanied by what appears to be a fledging — corner of mouth! - nape on line 4" apart imm. vibrating wings.
6 May 7ag 11:09 ♀ with juv. & at D-4
7 May 4:31 juv. feeding (shelling millet) 1' from dove & finches about.
8 May 11:25 am juv. in dove with finches didn't feed — shy, aggressive finches the more tame and in. 1:20 ♀ or juv. feeding
9 May 9:40 am clear ♀ and juv. in feeding.
11 May 10:04 clearing ♀ type in to feed. 1:07 ♀ (?) in feeding 10' from trachea.
12 May 10:05 7ag — ♂ on line 15" from ♀ finch — flew over cash to SW. didn't feed
15 May 4:19 juv. in ledge, line, etc (no white feathers) — in several times today.
16 May 11:05 ♂ & ♀ in briefly.
18 May 10:55 am ♀ with white feathers on Rt. scapulars. 11:52 ♂ in to line. 4:38 ♂ & ♀ with white feather in briefly.
20 May 11:53 juv. (no white) feeding alone. 1:41 ♀ - white feather in to feed briefly.
21 May 4:15 2 ♂♂ in on line.
22 May 2:42 pm among 2 ♀♀ a juv. no white feathers 6:22 ♀ with white Rt scapular. 6:35 ♂ in
25 May 8 am — pr. in feeding. 2:44 ♀ white feather in.
26 May 11:19 am clear juv (?) in feeding. 4:18 ♂ in briefly, shy.
27 May 7:15 am ♀ & (?) juv. in 9:15 ♀ with white feather at landing, then briefly at D-4. 10:23 shes back at D-4 eating millet.

27 May, del Norte 25, Berkeley, Clearlake, Ca.
♂ in to feed, Fat D-4: 3:37 ♀ (w-f) at D-4
28 May 9:26 ♀ w/1-f. in to feed, ♂ in earlier 8:14 ♂ on line. 5:58 Fog, ♂ to feed alone.
29 May 10:39 am clear So far this a.m. = ♂, white feather ♀ & juv: ♂ in off & on all p.m. — no juv.!
31 May Fog 11:18 am juv in feeding.
1 Jun. ♂ & ♀ both in this a.m.
2 Jun. 9:54 am Fog, ♀ in several times (w-f)
3 Jun. 10:37 am Fog all 3 in periodically
4 June 10:26 clear — There are 2 juvs. (?) feeding — 1 white feather 1 is usual ♀.
10:48 white feather ♀ in feeding area.
11:39 ♂ among elm leaves (New elm) woo'ed flew then into thick foliage
6 Jun. 11:07 am ♂ in alone
7 Jun. 12 noon — ♂, ♀ at least; juv. in.
4:06 ♂ in then D-4 (first time?) briefly.
8 Jun. 10+ am ♂ & ♀ in 10:27 ♀ has been flying to crab — then I saw it feeding a juv. with yellow fleshy gape 12:49 ♀ white feather feeding juv. on ledge which is begging loudly (near area in crab), then it flew to Pittos.
9 Jun. ♂, ♀ feeding juv. 9+ am.
10 Jun ♀ & 2 juvs. on line. 9:33 ♂ in. 15:37 — both ♂ & ♀ at D-4 and they held their own against aggressive-contentious house finches. They flew in fast, direct to landing + D-4 like usual flying-bombs!
11 Jun 9:51 am clear 2 ♂♂ & ♀♀/or juvs. Then ♀ feeding begging juv. 9:54 ♀ & 2 begging juvs. 3:43 ♀ (w/ f) on ledge — 2 juvs begging

17 June
all in this a.m.
20 June 10:05 am clear, ♂ has been in alone feeding; to far NE & as juvs.
1:18 a juv (?) in
21 June 9:49 am Fog, ♂ & ♀ (white feather) in & at least 1 juv.
22 June Fog 10:35 ♂ in with juvs on landing
23 Jun 11:20 white-feather ♀ in with dark, etc
12:44 from NW a juv (in like a flying bomb), then 3 feeding together, dawn — flew NW.
26 June 1:53 ♀ in feeding — white ♀
27 June 10 am Fog ♂ in alone.
28 June 3:05 calling ♂ on line
29 June 4:58 ♂ in alone, flew in erratically.
1 July 11 am seen ♀ into landing. Then ♂ next at D-4 so far 12:34 ♀ with 1 juv in, then
2 July 8:44 am Fog ♀ (white-f) at D-4. 1:47 a juv feeding. ♂ alone in earlier
3 July 9:13 am Fog ♂ in with dark ♀ juvs.
9:45 juvs in. 11:25 ♀ (white-f) in with 2 juv.
2:30 ♂ in with 1 juv.
7 July 10:01 am clear, ♀ (white-f) in several times.
8 July 8:53 am fog, ♂ in — it has fine stripes backwards from bill — laterally sharp edge in medial ⅓ of black bill.
9 July 11:14 am dark juv in edge, then to oak, first time seeing, then into cane — have seen this before — is this a change of diet?
10 July a.m. ♂ & juvs in
11 July 9:45 am juv in feeding — has first few black feathers of bill, yesterday also

19 July
♂, ♀ juvs in during the day.
20 July 4:05 pm clear, ♂ at D-4.
22 July 9:52 am ♀ (wf), ♂, at least 2 juvs. plus a juv. begging & being fed by ♀ — a decent hunt? 10 am 2 juvs in — one with open black feathers on upper breast = bib. They 2 often in the nest associated with ♂-♀(f)
2:46 ♀ feeding a begging juv. on line — this is w-feathers they always fly NW?
23 July 8:54 am 3 juvs. flying in together 6 feet, 11 am ♂ in.
1 Aug 9:40 am ad ♀ (wb-f) with 2 juvs. one begged, she fed it.
7 Aug 8-9 am Fog dawn Salome Ave area
ad. ♂ - ♀ feeding one begging! Thence parking lot at Wells Fargo bank — about 10 — mainly ♂; 1 juv. begging & being fed. Thus 2 alone.
11:06 a juv. in alone.
10 Aug today at least 1 juv & ad ♀ (wf)
19 Aug. 2:19p 1 juv. in; ♂ in yesterday
20 Aug 10 am seems to be the 3 juvs feeding
25 Aug 9:46 am Fog 2 juvs. 1 with a new spotty black 'bib' on upper breast.
27 Aug 9:44 am sun, 2 juvs.
1 Sept. 10:54 am juv. killing a large piece of cracked corn on ledge, then ax line.
4:04 1 juv doing same, and ♀ (wb-feathers) also.
5 Sept 10:44 am ♀ in alone to feed.
11 Sept 9:23 am 1 juv. in.
14 Sept a.m. - ♀ (wf) in
16 Sept 2:48 clear; ♂ in alone.
23 Sept 10:48 " ♀ (wf) in briefly.

1992-93-94

25 Sept.
10:30 am ♀ad (wh-f) in briefly.
30 Sept 9:53 am cloudy 1 juv. in.
9 Oct 10:49 am clear, 1 juv in yesterday a ? juv. with just a hint of a black bib.
15 Oct 1:42 pm ♀ (wh-f ?) at D-4 !
23 Jan 11:04 ♀ in feeding
26 Mar 10:40 variable clouds ♂ in alone.
28 Mar 3:07 ♂ at D-4 with 10 ♂ + 2 ♀ house finches!
1 Apr light rain, 10:24 ♂ feeding at D-4 alone. is there a ♀ about? 2:10 ♂ on ledge (2 H.F at D-4)
6 May 7:39 blazing sun - ♂ in alone
10 Jun. 2:23 ♀ on line 6' from house finches at feeder.
5 June lots of sun & cumuli ♀ in alone.
8 June clear, ♂ in with 1 dove.
15 June 9:40 am clear ♂ in alone.
22 June 10:53 am clear ♂ to beg from 1st then dawn to feed, doves in.
6 Aug 3:56 Fog 1 in to feed with juv. House finche - its molting, he sings a slight hint of a black breast patch.
8 Feb 94 9:31 am 1 ♂ on line
6 Apr 10:22 cloudy, ♂ on line 9' from house.
23 Apr rain 10:22 ♂ at D-4.
24 Apr noon, clouds, ♀ at N. ledge & D-4. 12:03 ♂ more with ♀ on landing
25 Apr clouds came rain, ♂ & ♀ in briefly
27 May 4:26 ♂ on line 6' from house flew NW
1 June 8:39 am ♀ in to feed
29 June briefly ♂ on line didn't come in. 6"
3 July 2:14 clear ♂ on line between 2 Finches

4 July
9:40 ♂ on line near Finches; 11:21 ♀ in to feed on landing. 1:39 clear - two juvs. on line - corners of mouth yellow
5 July 12:52 on clear 2 ♂ in to feed, 1 at D-4 with finches.
6 July 8:25 am ♂ on line & at feed
8 July 8:19 fog. juv in alone, tail seems short. 8:21 ♂ in with 1 finch & 1 dove.
12 July ♂ & a juv. in today
13 July 10:35 am clear juv. on line alone 12:17 ♂ in several times.
8 Sept 11:47 ♂ on line.
14 Oct 11:10 am clear ♂ top Helen?
20 Oct 11:08 am fog. 1 juv. with faint bib — ♂.
10 Nov 9:37 am dove and 1 ♂ in to feed.
22 Apr 95 11:11 am ♂ in alone.
27 May 4:25 high cirrus & with big feather
7 June 9 am clear: 1 ♂ in double, to Nest 1:30 pm a ♂, then a ♀ to feed.
8 June 9:15 am clear ♂ & ♀ in together, frightly
10 June at least ♂ in several times a day.
15 June sun, high cirrus - a.m. ♂ in many times
22 June 12:40 pm clear calm 1 hot. ♂ in to feed and a juv. begging. yellow corners of mouth & following him. ♂ has ½" stripes on either side of head bib. Have seen this before here.
14 July 9:32 am clear hot. ♂ in alone frame.
18 July 1:07 pm few clouds. ♂ in alone.
26 July 9:37 am clear ♂ in alone.
12 Sept 12:07 pm cl. 1 juv. 1 feeding.
5 May 96 10:27 am clear ♀ in alone to feed.
8 May 12:54 seeing od ♂ in.

Assistman
1996

Passed down

1 June
10:07 am clear ♂ in briefly
3 June 9:28 am clear ♀ in briefly
10 June 9:16 am clear ♀ to feed, flew NE
14 June 9 am clear ♂ & ♀ feeding briefly.
15 June 10:34 fog ♂ & ♀ feeding. 12:30 clear with wind ♂ at D-4 (also a red ♂ H. finch) this might be a first!
24 June 3pm stratus ♀ exits 2 juv. feeding
4 Sept 11:14 clear 1 ♀ in to feed
8 Apr 97 9:55 am clear ♂ in to feed, a ♀ in briefly yesterday.
10 Apr 10 am clear 1 ♀ to ledge w/ feeding.
12 Apr 9:31 am clouds ♂ into feed. 3:19 ♂ & ♀ foraging on canopy floor ♀ in to feed on millet
9 May 9:35 am clear ♂ in to feed
15 May 10:05 am ♂ in to feed
20 May 9:50 am fog ♀ in feeding on millet
25 May 12:07 pm late alcines ♂ at D-4 gone
26 May 10:18 am clear/cirrus ♂ big new ♂ in to feed bright plumage 2:25 ♀ in twice; to N.
27 May 1:18 pm clear ♀ in alone several times
11 June 9:51 am clear ♂ in briefly.
12 June 10:22 am clear. ♀ to ledge to shy to feed
16 June 10:05 am clear ♀ in to feed. 10:10 ♂ in.
26 June 10:01 clear ♂ at D-4 briefly.
27 June 11:07 am clear ♂ in
28 June 9:06 am clear ♀ in
7 July 11 am clear ♀ in
30 Aug 11:20 am clear ♀ in briefly
4 May 1998 9:20 am clouds ♂ in briefly.
15 May 2:15 pm part clouds. 2 ♂♂ on ledge, flew!
30 July 1999 9:45 am part fog; ♂ in to feed on ledge & landing.

Christman, G.
1974-2000

Species Accounts
Part 4

Trees

Austinian
1987

Elm trees / dd Ulmus sp. 1

17 Dec.
Trees completely bare. Since can see the secondary trunks are festooned with light & bright pale green lichen and dark green masses. The elms at this season seem to be used only for perching with two exceptions: the squirrels travel thru them to disturbance and sometimes up to feed on buds (?) and the flickers where wounds over the dead wood where limbs have been sawed off.

26 Jan. Squirrels have been feeding on the buds of elm trees, especially an individual in trees up the street, then a break around the tree to W of house.
Today noticed that the buds are opening on top of elm across street to W & minor amount elsewhere - the color is a deep burnt sienna or burnt umber.

30 Jan. more buds out esp. across St. to W and the first (or closest) across St. & up the St. the NW elm just a little top twigs most.

10 Feb. For the first time NW elm has an overall patina of opened buds - a soft pale ochre-green. The other elms up the St. are still a soft, hazy gray - russet of "dead" branches.

15 Feb Thick clusters of "flowers" in some higher branches up to 6" long & a bright green. A few trees are just coming out in this near gale so there is much variation

Christmas
1988

Elm trees

26 Feb., del Norte St., Berkeley, Alameda Co, CA
the NW elm is the tree the most advanced in greening – to leaves branches over street on S. side. Highest branches still bare. The elm to W of windows across St. number 2. Other elms with only a faint patina of green.

1 March = Identification = G. Petrides "a field Guide to trees & shrubs" Peterson series. page 226 = Samara = fruit "about 3/8" broad, hairless except for hairy margin, long-stemmed" = – 3/8 to 3/8, margins ciliate hairs only, stems 3/8," less & slightly more, in clusters - 8-10.

tight on branch =
American Elm Ulmus americana L
flowers march-may. Fruits apr-may
seeds eaten by: bobwhite, ruffed
grouse, fox Squirrels

8 March the 2 elms mentioned (W & NW) are the most advanced in samaras are now a paler ochre-green (as the samaras mature – ?) Those up the street are now just discernably ochre as a thin patina. The gold finches swarm!

10 Mar. Samaras falling for first time

14 Mar. First noticed green open leaves on NW elm S side. The W elm has lead green leaves on one branch E side high.

15 Mar. W elm higher branches now have 1" lead buds opening. Up street elms – W side have a hare flush of ochreish samaras –

18 Mar. outer portions of long branches with ect samaras – opening leaf buds 1+" pale green almost yellow – then expand as green

Ulmus americana

Upstream
1988

21 Mar, del Norte St., Berkeley, Alameda Co., Calif
On Fresno St. ½ mile. 90% of the elms are light yellow-green with samaras. Hopkins St. to SW only two, + with majority still have a few just opening out in leaf. So there is great variation.

23 Mar 8:25 am cloudy light wind samaras falling & floating by. First group of new leaves on upper elms - especially S side of tree & first (west side of del Norte) on very top.

24 Mar. Clear, quiet day, almost 60° F at 9:45 am

27 Mar. On Hopkins St. ½ of elms are bare still, other half are in varying stages of leafing out. What determines the appearance of samaras

30 Mar windy - a few isolated samaras falling The trees are leafing out widely NW elm more than half out - but still can see through it, others up street vary - most is the least. Welm across St mostly out - but some branches lesser amount of leaves opening - W elm NW side of St ⅓ out - just opening.

6 Apr. Fresno St - Yolano almost all elms are in mature tan samaras - only one tree in one block is out in open leaves.

7 Apr. at dawn high thin clouds plus stringy cumulus, etc. quiet - a little breeze to SE by 9:45 am. variable light winds

11 Apr The elms are entirely leafed out now

12 Apr. Saw Fox Sp. stripping bark from upper limbs - see journal. Noticed three other limbs 15'+ N which were also stripped of bark - they are a light yellow.

Christman
1989

Ulmus americanus

23 Apr. del Norte St. Berkeley, Alameda Co, Calif
There is fresh evidence that many limbs on NW, S. side of Ul elm have been stripped of bark. They are mainly less horizontal or descending. The large Fax Eg was in that area late in a.m.

5 May Since the leaves came out elms seem to be used only as perches, with the exception of Fax Eg. stripping bark on limbs. House finches on top most branches, and towhees into them as well as robins. Due to their (the elms) being exotic do they have insects feeding on leaves?

2 Aug for the first time this year end of many branches are turning yellow — early leaf drop in a drought year. and some leaves are dropping.

10 Aug Elms are now 1/4 - 1/3 yellow & leaves are falling. Been this way a week, plus.

27 Aug some of the highest, or outer, most branches are only afew dead leaves & few of bare branches.

4 Oct the elms up the st. are 2/3 bare, with the 2 smaller ones yellow & goodly amount of green still. Elm W. across st only 1/2 bare — tan & yellow, little green.

16 Oct about 20% in leaf now almost all are yellow-green in color — prevailing color is the pale gray brown of branches.

19 Oct. all but 5% leaves have fallen, some green ones left — law & near center of trees

3 Nov — 5% yellow leaves; many brown ones still hanging, especially W. elm across st.

14 Nov branches all bare

29 Nov., Del Norte St., Berkeley, Alameda Co., Calif
high wind - 6" branches sweeping about in strange gusts. What has to be the last yellow leaf fell at 10:40 pm.
28 Jan 89 and 2 days the elm in front of house to S on my side in top the buds have opened & the top branches are now "lumpy." Other trees not like this one.
29 Jan one of upper most N branches of W elm is just (since yesterday) opening of buds.
2 Feb More buds opening - higher up on W elm & three high branches of up to elms.
3 Feb the first ochre flowers on NW elm S. side 20-25' from the top. Almost all the bare elms have first flowers.
25 Feb The first green "samaras" - ? - appear afew on several branches of W & NW elm.
26 Mar. The development of the samaras has remained the same this past month with the anes and being eaten by either the everyday house finches or the few isolated goldfinches.
31 Mar are the elms going to flower this year? a tiny (less than 1%) amount of samara's so far this spring. For weeks now the leaf buds/knot of samaras have been there, again a tiny percent terminal buds have opened. Everything is on hold it seems. House finches feeding on buds a little.
3 Apr W & NW elm new leaves at end of branches just opening. Except for some tiny clusters it appears as though there will be no samaras this year - ?

Whitman
1989 Ulmus americanus

4 Apr., del Norte St., Berkeley, Alameda Co., CA
overnight leaves opened to nearly full-size on one branch of W. elm - V side 45' up & top & lower S side of NW elm.
8 Apr ~~Ex~~ & NW elm trees most advanced in leafing out - ± 1/3 aut. up st. elms are at first light green new leaves, as is W elm which has several branches on V side aut fully.
am annoyed at the complete failure of the fruiting samaras this year - effect of the drought.
5 Aug between 5-10% of leaves on NW elm are yellow - most on S side - inner leaves are still green but outer, exposed ones are turning. The first one up on W side of St is a lighter green than others. There has been a leaf drop in past month, not much but appreciable.
20 Aug The elms now have a mixed color pattern of pale green, yellow, ochre & some tan - all of them.
10 Oct NW elm = 80% of leaves on the S & SE side of tree are bare of leaves. The tops of up street elms are bare - still yellow & some bits of green deeper under tree canopy. W elm is about 75% + bare of leaves. The tree crew st. has now been cut down to main trunk & base (- 3') of main branches - so we lose another elm. This makes 3 in 75' next to curb that we have lost in 20 years.

13 Oct. Del Norte St., Berkeley, Alameda Co., Calif.
Today the up street elms seemed to have lost a generous portion (⅓-½) of leaves in about 3 days; most seem to be from mid-section & inner part of trees. almost half of remaining leaves are green - some rather bright green.
20 Oct. only about 10-15% of leaves left on elms - except one tree down(S) street which has over 50% leaves
23 Oct on Hopkins St to SW - second long blocks with elms on each side - many not as tall as on Del Norte St. = Many more leaves there, in fact, 2 or 3 trees are still full & green! Others are changing color & are mostly bare of leaving leaves.
27 Oct many staminate canes have fallen and only a few seed-wings & bracts from canes.
5 Nov a.m. a breeze & brown leaves falling from up St elms. Only less than 5% leaves are left, & they are yellow & tan. only a few pale green leaves left. First morning 10:15 am = 62°F
9 Nov Noticed this am that the elms are now leafless except for a few hard on one across St. only a hint of green.
10 Nov about ½ length of
7 Dec on Hopkins St - 2 long blocks this side of "the Alameda" St. almost all trees are bare - a half dozen with yellow leaves, less than 50% and one is 50%± still green though very dirty green.
30 Dec buds out on top branches of W elm, not others

Christmas
1990

Ulmus americana

11 Feb., del Norte St., Berkeley, Alameda Co., CA
Yesterday the S. mid-section of NW elm showed a faint pale ashen tint the first elm up the str on the S-W side the buds are bigger and a deep burnt sienna to a lighter russet. the buds will descend soon.

26 Feb NW elm is now showing a light green blush of early samaras.

4 Mar Samaras have come out of buds ¼" judging by one fallen to ground.

12 Mar The city is "trimming" the elms up the st. or rather butchering them I doubt if there will be any samaras left & few peaches. They are overgrown — this year will be new branch growth only. The elm across st. first big one has had huge mushroom growth at base early winter. A mushroom peeled bark on half trunk up to 5+; looks like deadwood. We have, in past year last 2 elms on st from not. This will be a third certainly.

30 Apr. still lots of samaras, but not as many as in 1988. First green leaves on ends of branches on S side of NW elm- a few elms about town are in full leaf others not even samara's yet.

10 Apr. leaves are just out on tip of 2nd elm (up st) others are bare including elm (buds may be opening). NW elm - ends of branches on E & S sides open leaves.

Christmas
R90

Ulmus americanus

11 Apr., ~~del Norte St. Berkeley, alameda Co. CA~~
leaf buds just opened on top most twigs & branches of NW elm.

16 Apr W, NW & 2nd elm (up-st) now leafed out - NW elm the most extensive. On Hopkins St. must have not even begun with 1 pretty far advanced.

18 Apr Eldorado St 1/2 bl. South W. have a line of elms have a full black + of advanced samaras - pale yellow these on on the uphill sides of the St. so they get down hill drainage - SE side - trees are bare of leaves samaras!

21 Apr. Hopkins Bl. ESE of me - for 2 long blocks, both sides of street are elms. Most are now leafed out a few not at all; 1/2 of trees are less than half fully leafed out. And No samaras in this bunch whereas on Eldorado St. they are now (see above) are dying.

22 Apr drive pair Chatham St. - Live oak Park area. 2 blocks of elms - all heavy with tannish yellow samaras - no green leaves. Elms are about 50% leaved out = total, esp NW elm than W elm the greatest.

23 Apr strong gusts of S wind at 4:10 and samaras are falling up to 60' from Welm.

25 Apr 3:60 pm. Samaras drifting from S - there are none on this St. so they are from El Dorado, 100 yds +, to S & many coming down!

5 Aug First time this summer - eleven + small clusters of leaves on SE section of NW elm are turning yellow - ochre - tan!

Ulmus americ.

11 Aug., del Norte St., Berkeley, Alameda Co., Cal.
The leaves at end of branches on NW elm are now more pronounced yellow to tan. And for first time the 2nd elm (across St.) is, at top, now a lighter dull green. This tree has had fungus graying at base & up 5', and while they were cutting - trimming earlier, in spring, a woodsman with his hands pulled off bark up to 6' from base on at least ½ of the trunk (N side) — this is a big mature tree & perhaps in trouble.
12 Aug at 7:45 am when I drove off for breakfast there were yellow leaves on car hood - usually this is a sign of fall.
29 Aug The elms are overall more yellow green, especially in exposed areas — green in shade. Oak leaves in gutters now.
12 Oct For 2 weeks SE corner of NW elm has almost all branches here with yellow & brown elsewhere except center of tree which still has green leaves.
17 Oct elms used, it seems, only casually for feeding (bush-tits, nuthatches & chickadees) but most frequently as — leaping as now at 9:30 am by mourning doves, a high perches & jays, etc.
20 Oct buds & seeds falling from elm yesterday & today first sign of pollen on hand & the "slimes" of puddles at sound of landing.
30 Oct at least half + leaves gone from W & NW elm — not so others - some green yet on St. elms

Christmas
1991

Ulmus auerk.

11 aps., deMuelle St., Berkeley, Alameda Co., Calif.
W. elm=leaf buds just opening - NW elm = minus 20% in full leaf - at branch terminals first. up St elms - no leaves on genera - furthest W. leaves at leaf just appearing.
15 Aps leaves out on elms - most NW elms, then West elm followed by the up St. No leaves really mature unless up St. with only few.
24 Aps The elms are just about in full leaf except the furthest up deMuelle St tow NW
9 July The first yellow leaves appear on NW elm - 15' from top - 5 in 1 area & 2 2' branches with all leaves yellow & tan.
22 July More leaves, especially on S. side turning yellow. First, fallen leaves on the ground this year!
25 July have noticed this week that the first big elm across the street, which is behind S. part of NW elm has a decidedly yellow cast whereas NW elm is green except for about 15 individual branches which are turning yellow.
1 Aug The second up St. elm - high is even more yellow - tan & more leaves on S. side of NW elm are yellow - ends of branches
7 Aug more yellow leaves under the main canopy
27 Aug about same as Sept slightly more yellow leaves on trees. The 1st elm up St & across St - behind S. part of NW elm is nowhere near as green as NW elm or W elm.
9 Sept 2/3 of NW elm is now yellow, ends of branches -

1991-92 u/mus americ.

21 Sept, del Norte St, Garbelo, Alameda Co CA
NW elm = little green on SE exposure, more tan the still bright cadmium yellow.

12 Oct This past week W & NW elms are 90% ± bare. Other elms gold-yellow with little green. On Hopkins St. many elms are dark green, only a few gold-tan, etc.

18 Nov. all elms bare except #2 up from N. & a few up St. & low in W. elm.

4 Dec leaves off all of elms on St.; on Hopkins St 200 upls to S. some elms are still green ! most yellow leaves, a few ~~b~~ bare.

17 Feb buds now evident on tap most branches of W elm. - not on others see last weeks when elm again St foliage.

10 Feb overcast, showers Noticed: a few low limbs of NW elm & asses tap of W elm the buds have opened - a dull lite tan color.

22 Feb looks to be first green (? samara) on NW elm - high.

17 Mar NW elm has hardly any samaras on - goldfinches have eaten them. No green leaves on street now, but on lower Los Angeles St, there are 2 trees with a few others are bare.

21 Mar No samaras evident now. The samara crop on NW elm only about 2% of other elms Zero!

28 Mar First leaves on NW elm 8' from top - open. Elms on Rodoc St 1/4 in samaras - i.e. 1/4 of some trees, not a full crop.

30 Mar. leaf buds on most NW elm branches but not yet on W elm!

ulmus americ.

31 Mar., del Norte St., Berkeley, Alameda Co. Calif.
W elm buds are opening into leaves. Two remaining elms up st (across) no sign of leaves.

2 Apr W & NW elm has patches of recently opened leaves = ~5% 3 up st elms - none!

5 Apr W elm has more leaves out than NW elm. - ends of higher branches.

8 Apr about a 5th of elms on N ob buds are in leaf.

11 Apr NW elm is ± ½ out in leaf. W elm more so. elm farthest up st out in leaf also!

20 Apr W & NW elm in full leaf, up st elms a bit behind.

28 June small yellow leaves have been accumulating on my neighborhood streets & today in gusts - they are flying The W. elm has a few yellow leaves, more on other elms!

3 July more yellow leaves of W. elm and more dead leaves in gutter of street Same in other elms.

30 July NW elm = ends of long branches are turning yellow. - 5. Side up to top - up st elms same - not as yellow as the W elm.

4 Aug all of the elms are now yellow-green in overall hue & leaves piling up on sidewalks ≠

30 Aug W. elm ½± defoliated, minor green NW elm predominately yellow, still green on inner branches. Up st elms - mainly green with some yellow. Hap elms st. most green

19 Sept all outer areas yellow, inner green, ends of branches of all are bare.

Christman
92-93

Ulmus americana.

15 Oct
W & NW elm are 85% ± bare; upper elms top 1/3 bare, mid-1/3 green.
6 Nov last week the remaining elm leaves were yellow, now predominately, however 90 ± bare.
25 Jan. Elm - last day as so buds have appeared on outer branches.
5 Feb buds on NW elm opening - now tree has a tan-yellow-ochre tinge.
8 Feb Samaras are open, tho not green yet
20 Feb now all the elms are in 'flower' & especially NW elm, the most advanced is greenish. Seems early!
7 Mar elms almost completely covered with pale green samaras - no goldfinch feeding frenzy. top most branches are bare.
22 Mar upper 2 elms are bare; NW elm has lost its green cast of new samaras as last several weeks - now dull ochre - green. W. elm is bare. On mid part of NW elm at ends of branches (2 or 3) new leaves are appearing.
24 Mar more leaves now evident - all at ends of branches. Today on Madoc St at Galena ave. 1 elm in samaras, rest bare! On Hopkins St. 3 or 4 (bright green) perhaps 20 + are still bare. Question: 1) how many will have samaras & others just leaf out? 2) staged samara production will keep goldfinches feeding for weeks!

'13-'14 winter.

13 Apr
NW elms ½ ± leafed out, ilp ⅓ elms
– ½ ± no samaras. W elms few samaras
– ½ leafed.
19 Apr. NW elms almost entirely leafed
out – others av ⅓ ± leafed
15 Sept first yellow leaves in early
Aug. The leaf fall so far is minimal,
the apparent. all of the elms on this
st. are now colour/chrome yellow
in green interiors.
30 Sept NW elm ⅔ bare now.
15 Nov perhaps 2% leaves remaining
on trees on this st. Ash Hopkins st.
some bare others are essentially
green – all stages. Variation of about
3 months in leaf drop.
23 Jan 1¼" rain overnight buds open on
W elm.
30 Jan buds out on expanded leaves of NW elm.
17 Feb last few days elms up st. have
turned a definite light pastel green in
the upper tree crowns of branches &
shields of buds have dropped once,
in front of house.
26 May This past week elms are essentially
bare! Samara abortion filled. From end of
last week to Wed (2 3rd) a tot 5 of seeding
4 pm saw first clumps (2) of green leaves
low on trailing branch, NW side.
27 May The increase of leaves is due to up 21
elms a distinct increase to one. NW elm at
top. yesterday 1" rain all day, many opening
22 July this week first yellow leaves appeared
esp. up st, W elm & lower sector 1. of NW elm

24 July
The first wafts of yellow - tar leaves in gutter.
20 Oct for part month have limbs prominent on all elms visible. Ou Maples & some still green!
21 Jan 95 buds have opened up on some elms.
31 Jan buds open near top side of NW elm & top N side of W. elm.
3 Feb 10:44 first birds feeding on elm flowers - six House Finches.
18 Mar first leaves out on NW elm, 5 feb 50'-up + on 1 branch on other tree.
19 Mar Some elms on Hopkins St (½ miles) are almost fully out in leaf.
30 aug This week the NW elm turns cadmium yellow. Since about the first week of aug. the leaves have turned & fallen leaves on my windshield.
5 Apr 96 Today is the first I've noticed that NW elm has green buds & open smallish green leaves at end of branches. On Hopkins St. 2 of 3 in 5th block.
27 Apr The 5 elms now on the st. are in near full leave — None had samaras this year.
17 aug. The NW elm has more than a hint of color after the green. Not bright yet. On 19 July the West elm - near my SW property corner (between curb and side walk) fell down at 8:30 and just after I drove off (would have missed car by 4' if car still there & would have crushed it at usual parking spot).

Christmas 1987-88

Quercus agrifolia

18 Dec., del Norte St., Berkeley, Alameda Co., Calif
in front yard. The east side in view of my upstairs, front windows. There are 7 clusters of new leaves widely scattered each of 5-9 leaves each - a bright new green. Also for a month plus there have been clusters of leaves & small stems (2-3 m.m. in diameter) with up to 7± leaves each, are all 3-5" in both direction on the walk & steps. The squirrels must have cut these. They spend more time in the tree than any other animal here. Why cut these twigs?

5 Jan now 18 clusters of bright light gr. leaves
Last spring (after tree was trimmed) many new branches 1'± projecting above the canopy, between (?) oaks maths and squirrels these branches are very ragged with last leaves at nodes or damaged leaves - no new growth now.

15 Feb. The clusters of new growth have matured now to deeper green. The tree was thinned out of some main branches 2 yrs ago. 12-18" new branches were heavily hit by Fox S. and are now almost bare - ragged looking, but now appears need buds. The Fox S. are occasionally in the oak this year as much as in the fall.

18 Feb. New leaf buds about to open on the terminal branches - those open 3/4" & they are a shiny bronze color.

19 Feb Suddenly the tree has an overall ochre aspect - dull green older leaves & very many leaves are dead or dying thus the new color.

20 Feb., Del Norte St., Berkeley, Alameda Co., early
why all the dead leaves suddenly?
A Fox S. in the oaks tree.

22 Feb. seems to be more dead leaves, as a %, say 1/3 are ochre/tan. Does this mean the tree will drop leaves, then came out with new ones? Does the tree "pull" out the water from leaves? They are most certainly sticking.

25 Feb new growth on terminal limbs - pale green - acid. A breeze & leaves cascade down. New leaves 1/2" ± are not uniformly distributed - most on the "new growth" leaders branches. 10-18", mentale. 50% is dead leave & New growth Of course the tree was trimmed 2 yrs ago - minor dead limbs removed - so the interior is secondary branches - 5-10" diam. down to tertiary limbs of 3-5" - The canopy itself is 3-6' thick.

1 Mar. The oak has changed in two days: from an ochre flush, now to a pale green almost the same hue as the elms in front - These are new leaves opening - are an inch long. and over almost all of tree, not just the long leader branches. Still deep cadmium yellow-ochre - tan dead leaves. 2/3 of tree other than "old leaf green" Still some end of branches of bright green new leaves - hard to find now though.

4 Mar. as if overnight the aspect of the oak has changed the dead ochre leaves seem fewer. The new green growth - a pastel color is not as light a color as the elm's samaras. The older dark leaves are not as evident.

Austin
1988

Quercus agrifolia 3

5 Mar., del Norte St., Berkeley, Alameda Co. Calif
catkins / flowers are now hanging from the older growth at bases of new sprouts

8 Mar flowers even more in evidence. The tree overall is a richer green as the new leaves grow & open out -

9 Mar. The oaks seems quite green - the new leaves are now a green & clusters of new leaves a month ago are now entire limbs. There are pointillists dots of dead leaves in a distinct minority - 5% & they are falling.

18 Mar. Now the oaks is uniformly brighter green, outside flowers catkins still evident along with a few dead leaves.

25 Mar. The steps, sidewalk & car are covered with a very fine frass from oak. Is this going to be an oak moth year?

29 Mar. Live noticed bits of frass on steps under the oak. New areas of new growth of leaves at ends of branches is being eaten & much decimated.

1 Apr N patio in back, accumulation of dead leaves and a good number of freshly fallen green leaves with stems present. Some branches chewed off - along with those from Sambucus. Why new leaves have fallen (flew have been chewed on by some larvae).

5 Apr. This past week the S sector of oaks is getting pretty shabby - dead flowers & leaves but mostly the new growth is chewed up & leaves dying due to larval feeding

Christmas 1988 — Quercus agrifolia — 4

11 Apr., Old Yacht Cl., Berkeley, Alameda Co., Calif
The 2 in the 2 patios in back = many fallen green leaves majority do not show being eaten by insects in piles on ground with small 1/4-1/2" maggots & pupae.

1 Tap more dead leaves; far fewer areas of bright green new growth (those are mainly leaves in tree).

5 May Far several weeks now almost no birds in oak — no bush-tits, no Pines & few jays or towhees.

2 June areas of branches 1'-2' from terminal growing area in many sections especially on south of tree have many dead leaves (and most leaves show damage from "eating") Some terminals show new leaf clusters - tan-purple 1" long. The infestation was there but not evenly distributed thru tree. Yesterday what looked to be one oak moth flying about top of oak - see journal - will watch for more.

8 July I suddenly realized that few birds are foraging in the oak & this has been evident in a subtle way for perhaps 2+ months. Bush-tits have not been in evidence this spring & chickadees are at the feeder. Has the latter changed feeding habits? Are there fewer insects on the oak

13 Aug. new leaders growth on oak-ends of branches - tan in color and 3"-6" (up to :), i.e.; tree is a unisown dull green - no new leaves damage to leaves from spring still evident - some but not many dead leaves.

Christman
1988-89

Quercus agrifolia

26 Aug del Norte St., Berkeley Alameda Co., CA
This a. sk. under the oak in front yard — on steps were small 1/2" acorns that the Fox Sq. had torn apart. what kind of an acorn crop are we going to have?

26 Sept 1/2-3/4" acorns on front steps — Fox Sq. have been mousing in the oaks.

4 Mar '89 The past week she noticed that the ends of branches on oak — leaves are turning ochre-pale green - leaves dying back. Not many dead leaves evident

7 Mar Now 20-25% of oak has an off pale sickly green to bright ochre cast of dying leaves, mainly visible in 10" of growing tips of branches. Inner canopy is still green with scape new leaves, etc at growing tips of branches now evident

8 Mar the ochre & yellow-green leaves are falling on steps now. Also today in a.m. rains oaks w. of L. S. B. on campus have terminal (on branches, i.e.) bright new leaves — they are under tall (Now) Monterey Pines & no dying leaves as here

14 Mar almost overnight many new branchlets have buds opened & a pale green-ochre new growth — over almost all the tree 85-90% of few hanging flowers.

17 Mar Mass, 80%, new pale growth, few flower catkins showing.

23 Mar Tree is now 90% bright pale green of new leaves under 1" long & catkins - dead leaves are still evident

Christmas 1989

Quercus agrifolia

4 Apr., del Norte St., Berkeley, Alameda Co., CA
The oaks is now 95% of leaves a bright green of new growth. With catkins still in evidence. The last several days has seen the unusual sp. feeding in oaks – scrub jays & Brown towhees. A rain of frass falling from the oaks.
8 Apr. Much frass falling from all oaks & a ½" graygreen caterpillar, with an orange head suspend from a strand of web. No birds now feeding in oaks almost overnight in this warm weather, the oak has change to a darker richer green – no more "new growth" evident
10 Apr The catkins on oaks are now hanging limply, brown. NO birds SEEN foraging in oak (except for 1 downy id.) in past several days –
11 Apr Fair Sq. at least 2; foraging heavily in oak; S side 5'–8' from top. high 70's clear
28 May the first oak moths at 4:30 ± pm or most 2 (?).
30 May 3:10 pm (66°F) + one oak moth at 3:11 now 2!
31 May 6:50 pm hot sun 94°F in sun – 3 oak moths, at 3:30 only 2 seen.
1 June 4:28 pm HOT 99°F in sun; oak moths = 6+ 5 pm – 15 ±.
4 June 4:40 pm sun out, 70°F in sun; 2 oak moths
5 June 12:58 pm 65°F = 3; 4:45 pm 79°F = 10+
6 June noon – fog & no moths. Some new branches on top & ends of branches – pale green.
4:22 clear, 80+ in sun 6+ moths

Quercus agrifolia

1984-90

8 June, del Norte Co.; Berkeley, Alameda, CA
2:54 pm = 69°F Indian fog & wind — fairly + oak mottles; at 3:43 10+ sun out.
9 June 4 pm 15± mottles
14 June hot all day (90°F ± in fours) 15± mottles
15 June see journal accts 4:42 pm 76°F Indian fog - 5 mottles out.
25 June new growth at different stages coming out on oak - tips of branches. not uniform as several months ago. Newest growth is a pale ochre green; full new leaves a light, bright shiny green.
31 Aug. backyard - found a 3/4" acorn bright green, no cap, under small oak. The first acorn of the season.
29 Oct many tan acorns with black on sidewalk & steps under oak / adult J & Fox Sq. feeding in oak in past month ±.
6 Mar 1990 For the first time the oak shows changes - for a long time. First, more leaves are turning yellow, or tan. So will have a leaf fall shortly. And, a faint hint of a pale ashy-green is almost evident - only at tips of branches so new growth is about to begin.
14 Mar. dead leaves are evident, but terminal upright branches now have a distinct ashy-ish cast with just opening flower buds. So far this spring (?!) - we've have not seen birds or Fox Sq. eating oak buds.
18 Mar. ends of all branches an ashy-ish-green & leaf buds, etc
21 Mar lots yellow dead leaves & lots light green new leaves

Christmas
1991

Quercus agrifolia

13 Mar., del Norte St., Berkeley, Alameda Co., CA
The oak is a little more than 50% light tan-green from new growth and catkins.
18 Mar. the new growth (pale tan-ochre-pale green) is 1" to 6" vertical branches with 1/2" leaves. Towhees spend time in oak now. pendulous catkins.
23 Mar. Oak is now 75-90% pale delicate green with 2 1/2" catkins.
30 Mar. The new growth in last 2 days has grown & is a darker-richer green than where near the buds dark green of the mature leaves.
2 Apr The oak is a uniform livid medium value green - I almost have to look for the darker green alder leaves.
4 Apr The new leaves are darker now & of catkins stand out as an obvious ision
11 Apr almost uniform leaf color; catkins are brown. Towhees & House sparrows feeding on ? larvae?)
12 Apr The first oak frass (= larvae shit) on roads beneath in back. The four oak is so thick with new growth that feeding birds disappear! Today lots of towhee & House sparrow feeding.
27 May Yesterday I noticed new growth on terminal upright branches - grew an inch. really quite pink - not the color of the first leaves of new leaves. Many of the 'new leaves - 2± months old are eaten with irregular patches left.
15 June new spirt of new growth; natural or a reaction being chewed upby larvae.

Christmas
1991-92 Quercus agrifolia

19 June 2 Wake St., Berkeley, Alameda Co.
The terminal branches of oak are uniformly in new growth many 'leaders' sprouting out. The color is tan, to a bright pale green.
25 June Tips of new growth: N. side at all levels a delicate light green; E. & S. sides less growth & tarnish-olive.
7 July The new growth is still a light green in sharp contrast with the older dark green foliage. Growth continues on the long new branches.
17 Sept. foliage for some time now is a uniform green with little new growth - Yesterday saw first green shapes across under oaks in back & big I in front

10 Feb '92 yellow-dead leaves now showing up on oaks - dotted overall.
29 Feb lot of yellow dying leaves on oak.
4 Mar ends of branches in mid northern & E. parts of oaks now in olive colored new growth with many dead yellow leaves through out.
12 Mar oak catkins evident; new growth has changed to a dullish olive-green and almost all of tree in terminal branch growth. dead leaves mixed evident.
14 Mar light rain The oak is now almost uniformly green - light vivid, bright.
19 Mar now new leaves are out & catkins dangling
31 Mar for first time noticed 'Fras' has been falling under oaks in front & in back!
29 May oak Nottles only tawnies in oak litter

Christman 1991-93 Quercus agrif.

11 June
no buds tits lately; two bees are in oak to a minor extent. Fox G. nest seems to have been used lately.

7 May tree dotted with yellow leaves and it seems that 'flowers' have just opened on terminal (upright) branches.

21 May This past week new leaves have opened so entire tree is a vivid bright light green. tassel flowers are much in evidence.

29 May the last several days caterpillar frass has appeared on my windshield at street level.

11 Apr oak now uniform darker green in dead hanging flowers.

2 Mar 94 almost a decidable shade of blue/yellow due to a bunch of yellow leaves!

7 Mar even more yellow, plus terminal new growth pale & dull yellow.

15 Mar back from Palo Alto the oak has changed! Now entirely light tender green (dead yellow leaves no longer on tree)

23 Mar medium green entire with hanging flowers

24 Mar same - last week catkins evident

26 Mar vivid green! small leaf canopy

4 Apr since last Friday ± (Apr) [loss] falling on my car parked underoaks.

18 Feb 1995 last day or so light yellow buds on branch ends. no abnormal number of dead leaves - as yet.

27 Feb very growth - pale green. First appearance of peridermal flowers. No living birds as yet

Christmas Atlas Cedar 1.

1987

29 Aug. del Norte St, Berkeley, Alameda Co, CA in front yard next door - to West 70' tall ±, cones present & large (mature size); former years cones indicated by the 3" bristle woody central stem of cones are persistent. Today noticed for first time this year the presence of many 1½" bristle "cones" (ochre-light green in color) in top ⅓ of tree — also might again, esp. near ends of branches. are these the staminate "flowers" or cones? When do the cones shatter?

20 Oct The top ⅓ of tree more has tan-ochre pollen cones, upright & crowded on branches. Several cones falling apart

6 Oct. The first winged seeds from cedar on walks & deck.

7 Oct more seeds pin-wheeling down. There are a number of cones that are shattered — heads & seeds piled adjacent to the upright cone on tops of clusters of needles. Are they birds or mammals who will feed on this resource? Do cones shatter after 3 exceptionally hot days?

4 Nov. heads hanging on flat needles from upright "stem" (several years are seen) On Sacramento St. same sp. 2 weeks ago ♂ cones with pollen on the ground. The winged seeds still present, but the squirrels & birds don't eat them — haven't seen one instance!

15 Nov., Del Mar Dr., Berkeley, Alameda Co. CA
at least 2-yrs of cones still attached
- a vertical shoot 2½-3" high with basal leaves attached. This years are a reddish-tan, older gray. First noticed today small ¼"+ clusters of new needles a light green on terminal branches and as bright stars on upper portion of horizontal mattes of needles - now a dullish gray-green. New growth.

11 Apr. There are still signs of new needle clusters at end of branches, but they have not really greened much - I suspect the drought will affect them. Today I noticed two new 2" purple cones, erect, on branches.

15 May upstreet cedar = erect green (light) cones. My cedar = cones purple tan 2½-3" old stem of cones (erect - sessel) are persistent

4 Oct. first time I've noticed the long 2"+ x 3/8" staminate clusters on top most branches of the cedar tree in front. tap ¼th

5 Oct. The first winged seeds have fallen from the cedar a neighbor!

18 Oct The first seeds fell this a.m. cones shattering

1 Nov afew seeds from cedar wafting down not many

14 Nov. The bracts are falling off of the cones along with seeds.

20 Nov saw today only 5 ± shattered cones on the cedar - so this year was a real low on number of cones - very few seeds in the front yard - a small fraction of good

20 Nov: del Norte St. Berkeley, Alameda Co., Calif a good year. There is one unshattered cone.
AApr tree has been 'dormant' – no changes. Today noticed 3 1" new growth on NE lower limb closer to my pond. 67° F at 12:45 pm
21 June new cones noticeable polish & reddish brown with sap running down sides.
5 Oct 89 cones developing well on near (SW) cedar and today noticed that higher branches (70' up) have tan erect staminate cones, but have seen no pollen fall.
13 Oct. 11 am what looked to be the first seed-wing fall from the cedar fell.
20 Oct afew seed husks on steps & deck and several tan 2½" staminate cones.
17 Nov about ½ length of the upright canes are shattered (tip to bottom) leaving an upright stub.
14 May '90 short 2" purple-brown cones now evident.
15 May pale green (?) cones developing now in up Sr. cedar.
13 Oct 90 suddenly new erect "cones" in clusters at ends of branches. Old cones are exuding sap & getting ready to shatter – surface is rough.
15 Oct the first shattered husks from near cedar on the lower deck.
19 Apr. new green growth at ends of branches
29 Apr. new purple cones 1"+, in evidence.
29 July up Sr. cedar; cones pale green and very notice able, not so obvious cones on near cedar.
11 June 92 cones very much in evidence.

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